



*"City of Champions"*

**DEPARTMENT OF PUBLIC WORKS  
OFFICE OF THE COMMISSIONER**

*Michael L. Thoreson*  
COMMISSIONER

May 28, 2008

I. Andrew Goldberg  
Assistant Attorney General  
Massachusetts Office of the Attorney General  
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Subject: Brockton, Massachusetts  
Wastewater Collection/Treatment Facility  
Consent Decree Civil Action Case No. 1:06-cv-11334-NMG  
2008 - 1st Quarter Report

Dear Mr. Goldberg:

The following is a quarterly report for your consideration regarding the City's Consent Decree Civil Action referenced above. This information is an update of the individual ongoing wastewater projects within the City plus other relevant data, in accordance with Section 42 of the Consent Decree.

***Section 42 a - Activities Directed at Compliance with the Consent Decree:***

**1. Miscellaneous Sewer Pipe Repair and Replacement**

The City has been performing sewer rehabilitation based on the findings of the City Wide Sewer System Evaluation Survey (SSES). In addition, there are several private contractors performing sewer rehabilitation throughout the City. As a result of this work, many gallons of extraneous flow have been removed from the sewer system. The attached Table 1 is a summary of sewer system repairs documented since 1990. The City and private contractors repaired structural defects identified in the SSES during the 1st quarter of 2008, which account for removal of 4,001 gpd of extraneous flow. This activity is required by Sections 35 through 39 of the Consent Decree.



2. Phase IV Sewer System Rehabilitation

Construction resumed March 2008 following a winter 2007 construction shutdown. Final miscellaneous work is scheduled to be completed Spring 2008. The construction value is approximately \$2,700,000 and SRF assistance is being provided. This activity is required by Sections 35 through 39 of the Consent Decree.

3. Phase VI Sewer System Rehabilitation

Construction resumed March 2008 following a winter 2007 construction shutdown. Work is scheduled to be complete Summer 2008. The construction value is approximately \$2,400,000 and SRF assistance is being provided. This activity is required by Sections 35 through 39 of the Consent Decree.

4. Phase VII Sewer System Rehabilitation

Design of Phase VII is complete. Bidding is expected during the next quarter, pending a revised PAC and approval to bid from DEP. The construction value is approximately \$2,400,000 and SRF assistance is being provided. Construction is expected to commence Summer 2008, and extend through Winter 2008.

5. Local and State Funding

The City is currently proceeding with the SRF funding package of \$61 million and a second loan offer of \$20 million has been provided by the State. In addition, the City modified their authorization for bonding from \$61 million to \$86 million. These funds are required for the upgrade of the wastewater treatment facility and for rehabilitation of the collection system.

6. I/I Reduction by Whitman and Abington

Both Whitman and Abington are required to develop an I/I rehabilitation plan as defined in the new NPDES permit for the Brockton WWTF. Both have been provided a copy of the Consent Decree and are currently pursuing I/I studies and rehabilitation. This activity is required by Section 40 of the Consent Decree.



7. Wastewater Treatment Facility Upgrade

- a. The Phase I WWTF Upgrade has reached substantial completion. This activity is required by Section 23, 24 and 25 of the Consent Decree.
- b. The Phase II WWTF Upgrade has reached substantial completion. This activity is required by Sections 26 through 29 of the Consent Decree.
- c. The Phase III WWTF Upgrade continues as planned. This activity is required by Sections 30 through 34 of the Consent Decree.

***Section 42 b - Plans, Reports, and Deliverables Completed and Submitted during this Period:***

1. The City issued a Certificate of Substantial Completion for the Phase II WWTF Upgrade on March 19, 2008.
2. The City submitted interim NPDES limits on January 11, 2008 as required by paragraph 44c of the Consent Decree.

***Section 42 c - Activities Anticipated During the Next Reporting Period:***

1. The City will submit a quarterly report.
2. Miscellaneous Sewer Pipe Repair and Replacement by City Personnel

Additional sewer rehabilitation by City staff based on the findings of the City Wide Sewer System Evaluation Survey (SSES) is expected to continue during the next reporting period.

3. Phase IV Sewer System Rehabilitation

Construction of this project will be ongoing during the next reporting period.

4. Phase VI Sewer System Rehabilitation

Construction of this project will be ongoing during the next reporting period.



5. Phase VII Sewer System Rehabilitation Design

Bidding of the Phase VII Sewer System Rehabilitation project is expected during the next quarterly reporting period.

6. Wastewater Treatment Facility Upgrade

- a. There are no submittal requirements for the Phase III WWTF Upgrade during the next reporting period. This project continues on schedule.

*Section 42 d - Anticipated Non-Compliance During the Next Reporting Period:*

During the next quarter the facility will again be forced to experience some intermittent major process interruptions and shutdowns, which will be required to accommodate various requirements of the upgrade construction. It is hoped and anticipated, due to both good planning and coordination combined with being under the less stringent winter permit limits combined with the interim permit limits, that the WWTF will not experience any major non-compliance effluent events. It is anticipated that the nitrification treatment process will be most affected due to limited tank availabilities which influence the hydraulic retention times needed for this process.

*Section 42 e - Non-Compliance during the Current Reporting Period:*

During the 1st quarter of 2008, the City of Brockton WWTF experienced some minor effluent violations listed below which were the result of either wet weather events and/or the construction upgrade activities.

January

1 - Monthly FPE NH<sub>3</sub>-N

Permit - 9.5 mg/l Result - 11.0 mg/l

February

1 - Monthly FPE NH<sub>3</sub>-N

Permit - 9.5 mg/l Result - 10.9 mg/l

2 - Daily FPE Loadings TSS

Concentration parameters were in permit but due to high flows (>36MGD) permit loadings limits could not be met.



March

1 - Daily FPE pH

Permit - 6.5 SU Result - 6.3 SU

2 - Daily FPE Loadings TSS

Concentration parameters were in permit but due to high flows (>36MGD) permit loadings limits could not be met.

*Section 73 - Certification by representative of the City*

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

*Closing*

We trust this information meets your expectations regarding the required progress report. Please do not hesitate to contact me at 508-580-7135 regarding any questions or comments on this information.

Sincerely,



Michael L. Thoreson  
DPW Commissioner

MLT/ss

cc: Chief, Environmental Enforcement Section CERTIFIED MAIL 7007 0710 0002 5722 0185  
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**Table 1**  
**City of Brockton, Massachusetts**  
**Consent Decree, Civil Action Case No. 1:06-cv-11334-NMG**  
**Response to Section 42a - Activities Directed at Compliance with the Consent Decree**  
**History of Sewer System Repair and Rehabilitation**

Annual Quarter	Dates Work Performed	Description of Work	Infiltration Removed	Flow in gallons per day		Exfiltration Source
				Inflow Removed	Total I/I per quarter	
<b>1st Quarter 2008</b>	March 26, 2008	Portland St., replaced 3' of 8" PVC & service STA 2+21 to 2+23 (059-035 to 059-034) <b>see photos 230A &amp; 230B</b>	1,161 gpd			
	March 18, 2008	Portland St., replaced 3' of 8" PVC STA 2+33 to 2+36 (059-036A to 059-035) <b>see photos 229A &amp; 229B</b>	1,240 gpd			
	March 18, 2008	Portland St., replaced 4' of 8" PVC & service STA 2+00 to 2+04 (059-036A to 059-035) <b>see photos 228A &amp; 228B</b>	1,240 gpd			
	March 17, 2008	Portland St., replaced 3' of 8" PVC & service wye STA 0+47 to 0+49 (059-035 to 059-034) <b>see photos 227A &amp; 227B</b>	360 gpd		4,001 gpd	
<b>4th Quarter 2007</b>	December 14, 2007	P6: Warren Ave, replaced 279' of 21" pipe (024-046 to 023-001)				
	December 14, 2007	P6: Warren Ave, replaced 284' of 21" pipe (023-005 to 023-009)				
	December 14, 2007	P6: Warren Ave, replaced 229' of 21" pipe (023-001 to 023-005)				
	December 12, 2007	P4: Packard Way, replaced 27' of 8" pipe (sta. 0+27 to 021-001)				
	December 12, 2007	P4: Packard Way, replaced 104' of 8" pipe (021-002A to sta. 0+27)				
	December 12, 2007	P4: Packard Way, replaced 294' of 8" pipe (021-002 to 021-002A)				
	October 26, 2007	P4: Warren Ave, replaced 126.5' of 12" pipe (021-054 to 021-049X)				
	October 26, 2007	P4: Warren Ave, replaced 229.5' of 12" pipe (021-049X to 022-049)				
	October 24, 2007	P6: Warren Ave, replaced 237' of 21" pipe (024-040 to 024-046)				
	Oct - Dec, 2007	Capping of 1 floor drain throughout the City		4,798 gpd		
	December 14, 2007	P6: Orchard Ave., replaced 319' of 8" pipe (037-127 to 037-128)	63,360 gpd			
	December 14, 2007	P6: North Main St., replaced 343' of 8" pipe (037-127 to 037-131)	1,080 gpd			
	December 14, 2007	P6: North Main St., replaced 295' of 8" pipe (037-124 to 037-127)	3,963 gpd			
	December 14, 2007	P6: North Main St., replaced 213' of 8" pipe (037-122A to 037-124)	4,102 gpd			
	December 14, 2007	P6: North Main St., replaced 213' of 8" pipe (037-122 to 037-122A)	2,880 gpd			
	December 14, 2007	P6: North Main St., replaced 85' of 8" pipe (037-121 to 037-122 )	0 gpd			
	December 14, 2007	P6: North Main St., replaced 337' of 8" pipe (037-118 to 037-121)	2,880 gpd			
	November 20, 2007	P4: Warren Ave, replaced 262' of 12" pipe (021-006 to 021-001)	0 gpd			
	November 15, 2007	Portland St., replaced 4' of 8" PVC & service Wye STA 1+35 to 1+39 (059-036A to 059-035) <b>see photos 226A &amp; 226B</b>	400 gpd			
	November 14, 2007	Lewiston St., replaced 4' of 10" PVC & service Wye STA 1+76 to 1+81 (059-045 to 059-044) <b>see photos 225A &amp; 225B</b>	2,485 gpd			
	November 14, 2007	Lewiston St., replaced 4' of 10" PVC & service Wye STA 0+13 to 0+17 (059-044 to 059-040) <b>see photos 224A &amp; 224B</b>	1,440 gpd			
	November 8, 2007	P4: Warren Ave, replaced 303' of 12" pipe (021-001 to 021-054)	28,800 gpd			
	October 1, 2007	Kingman St., replaced 7' of 8" PVC STA 0+30 to 0+37 (054-031 to 054-030) <b>see photos 223A &amp; 223B</b>	1,750 gpd		117,938 gpd	
	September 26, 2007	P6: Warren Ave, replaced 180' of 21" pipe (024-040 to 024-044)	4,320 gpd			
	September 21, 2007	P6: Warren Ave, replaced 275' of 21" pipe (024-038 to 024-040)				
	September 14, 2007	P6: Warren Ave, replaced 274' of 21" pipe (024-037 to 024-038)				
	August 30, 2007	P6: Clifton Ave, replaced 137' of 24" pipe (024-030A to 024-037)				
	August 29, 2007	P6: Clifton Ave, replaced 116' of 24" pipe (024-030 to 024-030A)				
	August 27, 2007	P4: Warren Ave, replaced 351' of 18" pipe (022-049 to 022-040)				
	August 22, 2007	P6: Clifton Ave, replaced 32' of 24" pipe (024-029 to 024-030)				
	August 13, 2007	Clark St, replaced 8' to 8" PVC & (2)8"X8"Sleeves STA 1+20 to 1+28 (054-039 to 054-039A) <b>see photos 222A &amp; 222B</b>				
	July 28, 2007	P4: Packard Way, replaced 328' of 8" pipe (021-003 to 021-002)				
	July 13, 2007	P4: Packard Way, replaced 244' of 8" pipe (021-005 to 021-004)				
	July 10, 2007	P4: Packard Way, replaced 193' of 8" pipe (021-004 to 021-003X)				
	July 3, 2007	P4: Packard Way, replaced 129' of 8" pipe (021-003X to 021-003)	180 gpd			
<b>3rd Quarter 2007</b>	Jun - Sept, 2007	Removal of 22 private sump pumps and 1 floor drain capping throughout the City		94,350 gpd		
	September 17, 2007	Adams St., replaced 2' to 8" PVC & (2)8"X8"Sleeves STA 1+31 to 1+33(053-097 to 053-097A) <b>see photos 221A &amp; 221B</b>	2,160 gpd			
	September 7, 2007	Moulton St., replaced 8' to 8" PVC & (3)6"Sleeves STA 1+81 to 1+89(054-035 to 054-034) <b>see photos 220A &amp; 220B</b>	90 gpd			
	September 6, 2007	Perry Ave., replaced 6' to 8" PVC & (2)8"X8"Sleeves STA 2+62 to 2+68(054-035 to 054-034) <b>see photos 219A &amp; 219B</b>	1,050 gpd			
	September 5, 2007	Perry Ave., replaced 7' to 8" PVC & (2)8"X8"Sleeves STA 0+58 to 0+65(054-035 to 054-034) <b>see photos 218A &amp; 218B</b>	1,050 gpd			
	September 4, 2007	Perry Ave., replaced 4' to 8" PVC & (2)8"X8"Sleeves STA 0+72 to 0+76(054-035A to 054-035) <b>see photos 217A &amp; 217B</b>	720 gpd			
	August 21, 2007	Addison Ave., replaced 6' to 6" PVC & 6"X6"Wye STA 1+72 to 1+78(054-004E to 054-004C) <b>see photos 216A &amp; 216B</b>	360 gpd			
	August 20, 2007	Addison Ave., replaced 7' to 6" PVC & (2)6"X6"Sleeves STA 2+08 to 2+15(054-004E to 054-004C) <b>see photos 215A &amp; 215B</b>	360 gpd			
	August 17, 2007	Henry St., replaced 4' to 8" PVC & (2)8"X8"Sleeves STA 1+67 to 1+71(054-025 to 054-024) <b>see photos 214A &amp; 214B</b>	270 gpd			
	August 16, 2007	Henry St., replaced 6' to 8" PVC & (4)8"X8"Sleeves STA 3+07 to 3+13(054-025 to 054-024) <b>see photos 213A &amp; 213D</b>	270 gpd			
	August 15, 2007	Macy Ave, replaced 8' to 8" PVC & (2)8"X8"Sleeves STA 1+22 to 1+30(054-004D to 054-004B) <b>see photos 212A &amp; 212B</b>	1,500 gpd			
	July 16, 2007	Bishop St, replaced 8' to 6" PVC & 6"Sleeve STA 0+31 to 0+39(043-091A to 043-090) <b>see photos 211A &amp; 211B</b>	40 gpd			
	July 12, 2007	Upton St, replaced 2' to 8" PVC & (2)8"X"Sleeves STA 1+77 to 1+79(043-056 to 043-057) <b>see photos 210A &amp; 210B</b>	45 gpd			
	July 2, 2007	Moncrief St, replaced 5' to 8" PVC & 8"X8"Sleeve STA 1+10 to 1+15(043-087B to 043-087A) <b>see photos 209A &amp; 209B</b>	170 gpd			
	July 2, 2007	Moncrief St, replaced 4' to 8" PVC & (2)8"X8"Sleeves STA 0+79 to 0+83(043-087B to 043-087A) <b>see photos 208A &amp; 208B</b>	170 gpd			
	June 20, 2007	Drew Ave, replaced 6' to 8" PVC & (2)8"X8"Sleeves STA 0+24 to 0+30(043-087C to 043-087B) <b>see photos 207A &amp; 207B</b>	1,800 gpd			
	June 19, 2007	Drew Ave, replaced 4' to 8" PVC & (2)8"X8"Sleeves STA 0+75 to 0+79(043-087D to 043-087C) <b>see photos 206A &amp; 206B</b>	360 gpd			
	June 18, 2007	Drew Ave, replaced 9' to 8" PVC & (2)8"X8" Sleeves STA 1+10 to 1+19(043-087E to 043-087D) <b>see photos 205A &amp; 205B</b>	450 gpd			



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**History of Sewer System Repair and Rehabilitation**

Annual Quarter	Dates Work Performed	Description of Work	Infiltration Removed	Flow in gallons per day		Exfiltration Source
				Inflow Removed	Total I/I per quarter	
2nd Quarter 2007	June 13, 2007	Drew Ave, replaced 4' to 8" PVC &(2)8"X8" Sleeves STA 0+31 to 0+35(043-087D to 043-087C) see photos 204A & 204B	450 gpd			
	June 13, 2007	Drew Ave, replaced 4' to 8" PVC &(2)8"X8" Sleeves STA 2+61 to 2+65 (043-087D to 043-087C) see photos 203A & 203B	400 gpd			
	June 6, 2007	Drew Ave, replaced 6" service wye STA 1+36 (043-087C to 043-087B) see photos 202A & 202B	180 gpd			
	June 5, 2007	Drew Ave, replaced 2' of 8" PVC STA 1+71 to 1+73 (043-087C to 043-087B) see photos 201A & 201B	45 gpd		110,790 gpd	
	Apr - Jun 2007	Replacement of 6 sewer cleanouts and capping of 2 floor drains throughout the City		18,720 gpd		
	May 30, 2007	P4: Summer Street, replaced 160' of 8" pipe (063-013 to 063-013X)	480 gpd			
	May 30, 2007	P4: Summer Street, replaced 109' of 8" pipe (063-012X to 063-013)	480 gpd			
	May 30, 2007	P4: Summer Street, replaced 12' of 8" pipe (063-012 to 063-012X)	480 gpd			
	May 9, 2007	P4: Riverview Street, replaced 27' of 12" pipe (sta. 0+43 to 063-002A)				
	May 8, 2007	P4: Perkins Avenue, replaced 32.5' of 12" pipe (063-005D to 063-002A)				
	May 3, 2007	P4: Perkins Avenue, replaced 239' of 12" pipe (063-005D to 063-001)	65,520 gpd			
	May 1, 2007	P4: Perkins Avenue, replaced 235.5' of 10" pipe (063-001 to 066-005)	93,600 gpd			
	April 25, 2007	P4: Leyden Street, replaced 6' of 8" pipe and replaced SMH 063-CAP1	0 gpd			
	April 20, 2007	P4: Darby Road, replaced 261.5' of 8" pipe (065-028 to 065-029)	180 gpd			
	Apr - Jun 2007	Removal of 15 private sump pumps throughout the City		124,200 gpd		
	May 3, 2007	Massachusetts Ave.,replaced 22' of 8" PVC STA 1+99 to 2+14 ( 043-016 to 043-015) see Photo 200A & 200B	500 gpd			
	May 2, 2007	Massachusetts Ave., replaced 6' of 8" PVC STA 2+96 (043-019 to 043-018) see Photo 199A & 199B	1,510 gpd			
	May 1, 2007	Massachusetts Ave., replaced 2' of 8" PVC STA 2+14 (043-019 to 043-018) see Photo 198A & 198B	1,550 gpd			
	April 30, 2007	Massachusetts Ave., replaced 5' of 8" PVC STA 2+96 (043-019 to 043-018) see Photo 197A & 197B	1,710 gpd			
	April 25, 2007	Massachusetts Ave., replaced 4' of 8" PVC STA 0+71 (043-020 to 043-019) see Photo 196A & 196B	5 gpd			
	April 24, 2007	Massachusetts Ave., replaced 8"X6" Y & 3' of 8" PVC & 5'of 6" PVC STA 0+24 (043-019 to 043-018) see Photo 195A & 195B	1,710 gpd			
	April 20, 2007	Massachusetts Ave., replaced 6"X8" TEE & 7' 8" PVC & 5' of 6" PVC STA 1+23 (043-020 to 043-019) see Photo 194A & 194B	10 gpd			
	April 19, 2007	Massachusetts Ave., replaced 4' of 8" PVC STA 1+22 (043-020 to 043-019) see Photo 193A & 193B	15 gpd			
	April 19, 2007	Massachusetts Ave., replaced 1.5' of 8" PVC STA 1+32 (043-020 to 043-019) see Photo 192A & 192B	15 gpd			
	April 10, 2007	Summer St., replaced 3' of 6" PVC NO STA (Not on Phase repair list)see Photo 191A & 191B				
	April 5, 2007	Massachusetts Ave., replaced 10' of 8" PVC STA 2+41 to 2+52 (043-016 to 043-015) see Photo 190A & 190B	480 gpd			
	April 4, 2007	Massachusetts Ave., replaced 7' of 8" PVC STA 1+99 (043-016 to 043-015) see Photo 189A & 189B	550 gpd			
	April 3, 2007	Massachusetts Ave., replaced 6' of 8" PVC STA 0+73 (043-016 to 043-015) see Photo 188A & 188B	45 gpd			
	April 2, 2007	Massachusetts Ave., replaced 4' of 8" PVC STA 2+23 to 2+31 (043-015 to 043-014) see Photo 187A & 187B	1,800 gpd		313,560 gpd	
1st Quarter 2007	March 30, 2007	Anawan St., replaced 6' of 8" PVC STA 0+08 (043-078 to 043-077) see Photo 186A & 186B	1,080 gpd			
	March 29, 2007	Anawan St., replaced 6' of 10" PVC STA 0+76 (043-078 to 043-077) see Photo 185A & 185B	1,080 gpd			
	March 28, 2007	Ashfield Dr @Anawan St., replaced 10' of 10" PVC STA 0+33 (Not on replace list)see Photo 187A & 184B				
	March 27, 2007	Bishop St., replaced 3' of 8" PVC STA 0+11 (043-087A to 043-086A) see Photo 183A & 183B	360 gpd			
	March 27, 2007	Bishop St., replaced 3' of 8" PVC STA 1+53 (043-087A to 043-086A) see Photo 182A & 182B	360 gpd		2,880 gpd	
	March 13, 2007	Algonquin St., replaced 3' of 10" PVC STA 0+55 (043-013 to 043-012) see Photo 180A & 180B	300 gpd			
	March 12, 2007	Algonquin St., replaced 3' of 10" PVC STA 0+39 (043-013 to 043-012) see Photo 179A & 179B	180 gpd			
	March 9, 2007	Dailey Rd., replaced 2' of 8" PVC STA 0+08 (043-059 to 043-058) see Photo 178A & 178B	50 gpd			
	March 8, 2007	Algonquin St., replaced 4' of 10" PVC STA 0+15 (043-013 to 043-012) see Photo 177A & 177B	200 gpd			
	March 7, 2007	Dailey Rd., replaced 9' of 8" PVC & service wye STA 0+76 (043-059 to 043-058) see Photo 176A & 176B	50 gpd			
	March 6, 2007	Anawan St., replaced 6' of 8" PVC STA 1+13 (043-079 to 043-078) see Photo 175A & 175B	10 gpd			
	February 27, 2007	John Berman Dr., replaced cap on Y STA 1+58 (Not on replace list)see Photo 175A & 175B	700 gpd			
	February 21, 2007	John Berman Dr., replaced 4' of 10" PVC & service wye STA 0+52 (043-085A to 043-085) see Photo 174A, 174B, 174C & 174D	50 gpd			
	February 13, 2007	John Berman Dr., replaced service wye STA 1+25 (043-086 to 043-085A) see Photo 173A & 173B	50 gpd			
	February 8, 2007	John Berman Dr., replaced 6' of 10" PVC STA 0+86 (043-086 to 043-085A) see Photo 172A & 172B	20 gpd			
	February 7, 2007	Anawan St., replaced 4' of 8" PVC & service wye STA 1+82 (043-079 to 043-078) see Photo 171A & 171B	20 gpd			
	February 6, 2007	Anawan St., replaced 7' of 8" PVC STA 1+11 (043-079 to 043-078) see Photo 170A & 170B				
	February 5, 2007	Annis Ave., replaced 13' of 8" PVC & 9' of 10" PVC see Photo 169A	30 gpd			
	February 2, 2007	Anawan St., replaced 5' of 8" PVC STA 0+66 (043-079 to 043-078) see Photo 168A & 168B	25 gpd			
	February 1, 2007	Anawan St., replaced 20' of 8" PVC & service wye STA 0+33 to 0+47 (043-079A to 043-079) see Photo 167A & 167B	25 gpd			
	January 30, 2007	Anawan St., replaced 3' of 8" PVC STA 1+08 (043-079A to 043-079) see Photo 166A & 166B	2,000 gpd			
	January 29, 2007	Almon Ave., replaced 3' of 8" PVC STA 1+76 (032-072 to 032-071) see Photo 165A & 165B	2,880 gpd			
	January 5, 2007	Herrod Ave., replaced service wye STA 0+93 (037-124A to 037-124) see Photo 164A & 164B	1,080 gpd			
	January 4, 2007	N. Manchester St., service wye STA 1+10 (042-004A to 042-004B) see Photo 163A & 163B			5,620 gpd	
	December 1, 2006	P4: Auburn Street, replaced 274.60' of 8" pipe (063-002 to 063-001A)	0 gpd			
	December 1, 2006	P4: Auburn Street, replaced 277.50' of 8" pipe (063-001A to 063-001)	0 gpd			
	November 2006	Design: East Ashland Street, replaced 130' of 12" pipe (040-019 to 040-028)	2,881 gpd			
	November 2006	Design: East Ashland Street, replaced 330' of 12" pipe (040-018 to 040-019)	36,000 gpd			



**Table 1**  
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**Response to Section 42a - Activities Directed at Compliance with the Consent Decree**  
**History of Sewer System Repair and Rehabilitation**

Annual Quarter	Dates Work Performed	Description of Work	Infiltration Removed	Flow in gallons per day		Exfiltration Source
				Inflow Removed	Total I/I per quarter	
4th Quarter 2006	November 2006	Design: East Ashland Street, replaced 203' of 12" pipe (040-017 to 040-018)	5,760 gpd			
	November 2006	Design: East Ashland Street, replaced 252' of 12" pipe (040-016 to 040-017)	5,040 gpd			
	October 16, 2006	P4: Burton Ave, replaced 294' of 8" pipe (060-007B to 060-007A)	6,142 gpd			
	October 16, 2006	P4: Burton Ave, replaced 166' of 8" pipe (060-007A to 060-007C)	0 gpd			
	December 18, 2006	Rutland St., replaced 3' of 6" pipe & service wye STA 2+48 (037-123 to 037-121A)see Photo 162A & 162B	672 gpd			
	December 12, 2006	Calvin Street, replaced service wye STA 0+85 (031-031 to 031-030)see Photo 161A & 161B	1,260 gpd			
	December 11, 2006	Calvin Street, replaced 6' of 8" PVC STA 0+31 (031-031 to 031-030) see Photo 160A & 160B	180 gpd			
	November 29, 2006	N. Manchester St., replaced 3' of 8" PVC & service wye STA 1+30 (042-004A to 042-004B)see Photo 159A & 159B	432 gpd			
	November 28, 2006	N. Manchester St., replaced 6' of 8" PVC & service wye STA 0+71 (042-004A to 042-004B)see Photo 158A	432 gpd			
	November 27, 2006	N. Manchester St., replaced 8' of 8" PVC & service wye STA 2+00 (042-004A to 042-004B)see Photo 157A & 157B	261 gpd			
3rd Quarter 2006	October 23, 2006	Vine Street, replaced 4' of 8" VC STA 1+46 (037-101 to 037-100) see Photo 156A & 156B	360 gpd		59,420 gpd	
	September 9, 2006	Keith Avenue, replaced 5' of 8" PVC STA 0+34 (024-039A to 024-039)see Photo 155A				
	May 9, 2006	Upland Road, replaced 3' of 8" PVC STA 0+87 (037-091 to 037-090) see Photos 154A & 154B	1,500 gpd			
	May 11, 2006	Rutland Avenue, replaced 8" pipe and service wye STA 2+33 (037-121A to 037-122)see Photos 153A & 153B	720 gpd			
	May 10, 2006	Rutland Avenue, replaced 4' of 8" PVC STA 1+34 to 1+38 (037-121A to 037-122) see Photos 152A & 152B	720 gpd			
	May 18, 2006	Rutland Avenue, replaced 4' of 8" PVC STA 2+74 (037-121A to 037-122)see Photo 151A	540 gpd			
	May 17, 2006	Rutland Avenue, replaced 4' of 8" PVC STA 2+87 (037-121A to 037-122)see Photos 150A & 150B	540 gpd			
	May 16, 2006	Rutland Avenue, replaced 4' of 8" PVC STA 0+15 (037-121A to 037-122)see Photos 149A & 149B	540 gpd			
	July 19, 2006	Oak Street, replaced service connection STA 2+05 (037-136 to 037-135)see Photos 148A & 148B	2,400 gpd			
	July 20, 2006	Oak Street, replaced 8" pipe service wye STA 2+85 (037-136 to 037-135)see Photos 147A & 147B	1,200 gpd			
	July 25, 2006	Oak Street, replaced 8" pipe and two service tees PVC STA 1+72 (037-135 to 037-134)see Photos 146A & 146B	2,500 gpd			
	August 3, 2006	Oak Street, replaced 8" pipe and service tee STA 0+15 (037-134 to 037-133)see Photos 145A & 145B	1,200 gpd			
	August 7, 2006	Oak Street, replaced pipe and service wyes STA 0+42 (037-134 to 037-133)see Photos 144A & 144B	1,440 gpd			
	August 8, 2006	Oak Street, replaced 8" pipe and service wye STA 2+08 (037-133 to 037-132)see Photos 143A & 143B	720 gpd		14,020 gpd	
	May 1, 2006	Upland Rd., repl 2' of 8" pipe and 8"X8" sleeve STA 2+45 to 2+47 (037-091 to 037-090) see Photos 142A & 142B	320 gpd			
2nd Quarter 2006	April 25, 2006	Orchard Ave., replaced 6' of 8" pipe STA 0+83 to 0+87 (037-130 to 037-129) see Photos 141A & 141B	180 gpd		500 gpd	
	March 21, 2006	Pomona Dr., replaced 17.5' of 6" pipe and 6"X6" sleeve (045-032G to 045-032J)see Photos 140A & 140B				
	March 6, 2006	Main St. behind Shaws, 5' of 10" pipe STA 0+47 to 0+52 (034-12A to 034-012) see Photos 137A to 137B				
	February 28, 2006	Main St. behind Shaws, 5' of 10" pipe STA 0+21 to 0+26 (034-12A to 034-012) see Photos 136A & 136B				
	February 27, 2006	K-Mart Parking, replaced 6' of 8" pipe STA 0+36 to 0+42 (034-012K to 034-012J)see Photo 138A	1,440 gpd			
	February 7, 2006	E. Main St., replaced 5' of 8" pipe STA 2+70 to 2+74 (037-087 to 037-086) see Photos 133A & 133B				
	February 6, 2006	E. Main St., replaced 3' of 8" STA 2+25 to 2+28 (037-087 to 037-086) see Photos 132A & 132B				
	February 2, 2006	P5: Menlo Ave, lined 256.3' of 8" pipe (025-029 to 025-026)	15,750 gpd			
	February 1, 2006	P5: GERALYN DR. Easement, lined 186' of 10" pipe (067-043 to 067-042)	1,275 gpd			
	February 1, 2006	P5: Easement across Cross Pond, lined 388' of 18" pipe (007-125 to 007-126)				
	January 31, 2006	P5: Boulders Apartments., lined 241' of 8" pipe (045-037E to 045-037D)	2,520 gpd			
	January 31, 2006	P5: Boulders Apartments., lined 150' of 8" pipe (045-037D to 045-037C)	1,440 gpd			
	January 31, 2006	P5: E. Ashland St., lined 153.5' of 15" pipe (045-033 to 045-032)	7,200 gpd			
	January 31, 2006	P5: E. Ashland St., lined 102.5' of 15" pipe (045-032 to 045-031)	2,880 gpd			
	January 30, 2006	P5: Toby Rd., lined 127.5' of 8" pipe (045-034B to 045-033A)	1,440 gpd			
	January 30, 2006	P5: Toby Rd., lined 16.2' of 8" pipe (045-034A to 045-034B)				
	January 30, 2006	P5: Toby Rd., lined 116.3' of 8" pipe (045-034C to 045-034A)				
	January 30, 2006	P5: Toby Rd., lined 192' of 8" pipe (045-036A to 045-035A)	2,160 gpd			
	January 30, 2006	P5: Toby Rd., lined 53' of 8" pipe (045-035A to 045-034C)	180 gpd			
	January 30, 2006	P5: Pleasant St., lined 399.5' of 10" pipe (017-065 to 017-062)	40,320 gpd			
	January 27, 2006	P5: Dover St., lined 451.6' of 10" pipe (018-017 to 018-016A)	6,099 gpd			
	January 27, 2006	P5: Belmont Ave, lined 77.3' of 10" pipe (017-011F to 017-041C)				
	January 26, 2006	P5: No. Warren Ave, lined 271.4' of 10" pipe (019-027 to 019-024)				
	January 26, 2006	P5: No. Warren Ave, lined 247.2' of 10" pipe (019-028 to 019-027)				
	January 26, 2006	P5: No. Warren Ave, lined 200.8' of 10" pipe (019-031 to 019-028)	360 gpd			
	January 26, 2006	P5: Warren Ave, lined 232.3' of 8" pipe (018-016 to 018-017A)	22,800 gpd			
	January 24, 2006	P5: Center St., lined 353.5' of 10" pipe (019-071 to 019-072)				
	January 24, 2006	P5: Center St., lined 145.5' of 10" pipe (019-065 to 019-071)	11,520 gpd			
	January 24, 2006	P5: Center St., lined 143' of 10" pipe (019-037B to 019-065)	720 gpd			
	January 24, 2006	P5: Forest Rd., lined 208' of 8" pipe (018-020A to 018-018A)	2,160 gpd			



**Table 1**  
**City of Brockton, Massachusetts**  
**Consent Decree, Civil Action Case No. 1:06-cv-11334-NMG**  
**Response to Section 42a - Activities Directed at Compliance with the Consent Decree**  
**History of Sewer System Repair and Rehabilitation**

Annual Quarter	Dates Work Performed	Description of Work	Infiltration Removed	Flow in gallons per day		Exfiltration Source
				Inflow Removed	Total I/I per quarter	
1st Quarter 2006	January 24, 2006	P5: Forest Rd., lined 325.6' of 8" pipe (018-018A to 018-018B)	12,960 gpd			
	January 20, 2006	P5: Edward St., lined 212.5' of 8" pipe (047-054 to 047-055)	720 gpd			
	January 20, 2006	P5: Sharon St., lined 150.3' of 8" pipe (047-054 to 047-053)	11,520 gpd			
	January 20, 2006	P5: Sharon St., lined 92.2' of 8" pipe (047-053 to 047-052)				
	January 20, 2006	P5: Sharon St., lined 111.5' of 8" pipe (047-051 to 047-052)	540 gpd			
	January 19, 2006	P5: Skinner St., lined 415.5' of 8" pipe (055-047 to 055-046)				
	January 19, 2006	P5: South Fuller St., lined 276' of 10" pipe (018-016B to 018-016A)	1,275 gpd			
	January 19, 2006	Oakside Ave., replaced 4' of 8" pipe STA 0+73 to 0+77 (033-025 to 033-024) see Photos 134A & 134B				
	January 18, 2006	P5: Lyon Ave, lined 279' of 8" pipe (066-053 to 066-052)	360 gpd			
	January 18, 2006	P5: Sharon St., lined 275.3' of 8" pipe (047-051 to 047-050)	4,320 gpd			
	January 18, 2006	P5: Sharon St., lined 300' of 8" pipe (047-050 to 047-049A)				
	January 18, 2006	P5: Sharon St., lined 200.3' of 8" pipe (047-049A to 047-049)	2,880 gpd			
	January 17, 2006	P5: Main St., lined 321.5' of 8" pipe (066-044 to 066-043)	135 gpd			
	January 17, 2006	P5: Annadea Rd., lined 302.5' of 8" pipe (047-006A to 047-005B)	2,880 gpd			
	January 17, 2006	P5: Annadea Rd., lined 115.5' of 8" pipe (047-005B to 047-004A)				
	January 16, 2006	P5: Skinner St., lined 148.3' of 8" pipe (055-048 to 055-049)	10,975 gpd			
	January 16, 2006	P5: Skinner St., lined 75.5' of 8" pipe (055-048 to 055-046)	410 gpd			
	January 13, 2006	P5: Maplewood Cir., lined 230.9' of 8" pipe (045-021 to 045-022)	1,440 gpd			
	January 13, 2006	P5: Maplewood Cir., lined 247.5' of 8" pipe (045-021 to 045-020)	2,880 gpd			
	January 13, 2006	P5: Joslyn Ln, lined 113.5' of 8" pipe (019-073 to 019-074)	90 gpd			
	January 13, 2006	P5: Joslyn Ln, lined 113.5' of 8" pipe (019-072 to 019-073)	90 gpd			
	January 12, 2006	P5: Cristo's Way, lined 370.9' of 8" pipe (048-051 to 048-050)	11,620 gpd			
	January 12, 2006	P5: Cristo's Way, lined 300.5' of 8" pipe (048-050 to 048-042)	764 gpd			
	January 12, 2006	P5: Woodland Ave, lined 391' of 8" pipe (035-107 to 035-106)	2,760 gpd			
	January 12, 2006	P5: Woodland Ave, lined 263' of 8" pipe (035-109 to 035-107)	69,120 gpd			
	January 12, 2006	Oakside Ave., replaced 5' of 8" pipe STA 1+45 to 1+50 (033-026 to 033-025) see Photos 135A & 135B				
	January 11, 2006	P5: Maplewood Cir., lined 276' of 8" pipe (045-020 to 045-019A)	1,440 gpd			
	January 11, 2006	P5: Maplewood Cir., lined 197' of 8" pipe (045-019 to 045-019A)	1,080 gpd			
	January 11, 2006	P5: Maplewood Cir., lined 201.5' of 8" pipe (045-017 to 045-019)	2,880 gpd			
	January 11, 2006	P5: Camden Ave, lined 198.5' of 8" pipe (020-060C to 020-060B)	12,960 gpd			
	January 11, 2006	P5: Camden Ave, lined 296.5' of 8" pipe (020-060B to 020-060A)	2,160 gpd			
	January 10, 2006	P5: Quincy St., lined 251' of 8" pipe (048-053 to 048-054)	410 gpd			
	January 10, 2006	P5: Beaumont Ave, lined 101' of 8" pipe (048-052 to 048-053)	107 gpd			
	January 10, 2006	P5: Beaumont Ave, lined 149' of 8" pipe (048-051 to 048-052)	107 gpd			
	January 10, 2006	P5: Hampton Ave, lined 417' of 8" pipe (035-108 to 035-107)	177 gpd			
	January 9, 2006	P5: Plain St., lined 286.7' of 8" pipe (066-090 to 066-089A)	5,000 gpd			
	January 4, 2006	Jane Ter., replaced 3' of 6" pipe STA 1+57 to 1+60 (033-022 to 033-021) see Photos 139A & 139B	1,440 gpd		285,764 gpd	
	Oct - Nov 2005	P5: Rehabilitation of 117 manholes	94,608 gpd			
	December 22, 2005	P5: Main Street, lined 277' of 8" pipe (066-042 to 066-041)				
	December 22, 2005	P5: Main Street, lined 248.5' of 8" pipe (066-043 to 066-042)	11,520 gpd			
	December 21, 2005	P5: Quincy Street, lined 273.7' of 8" pipe (048-056 to 048-055)	3,610 gpd			
	December 21, 2005	P5: Quincy Street, lined 279.2' of 8" pipe (048-055 to 048-053)	4,350 gpd			
	December 20, 2005	P5: Manomet Street, lined 277.45' of 8" pipe (020-053 to 020-054)	2,520 gpd			
	December 19, 2005	P5: Theresa Road, lined 232.1' of 8" pipe (067-065 to 067-066)	117 gpd			
	December 15, 2005	P5: Ash Street, lined 206.2' of 8" pipe (017-026 to 017-024)	1,620 gpd			
	December 15, 2005	P5: Ellsworth Street, lined 235.8' of 8" pipe (017-024 to 017-022)	4,320 gpd			
	December 14, 2005	P5: Spring Street, lined 210.6' of 8" pipe (017-043 to 017-053)	13,680 gpd			
	December 14, 2005	P5: Highland Terrace, lined 228.6' of 8" pipe (017-050 to 017-043)	7,560 gpd			
	December 13, 2005	P5: No. Quincy Street, lined 34' of 8" pipe (049-105 to 049-105A)	102 gpd			
	December 13, 2005	P5: No. Quincy Street, lined 314' of 8" pipe (049-106 to 049-105)	4,500 gpd			
	December 13, 2005	P5: No. Quincy Street, lined 285' of 8" pipe (049-108 to 049-106)	7,200 gpd			
	December 12, 2005	P5: Moraine Street, lined 335.05' of 8" pipe (017-066 to 017-065)	2,160 gpd			
	December 7, 2005	P5: Main Street, lined 327' of 8" pipe (066-045 to 066-044)	2,700 gpd			
	December 7, 2005	P5: Main Street, lined 304.7' of 8" pipe (066-049 to 066-045)				
	December 7, 2005	P5: Main Street, lined 203.4' of 8" pipe (066-052 to 066-049)	3,600 gpd			
	December 5, 2005	P5: Brunswick Street, lined 268.4' of 8" pipe (117-097 to 117-100)	1,440 gpd			
	December 1, 2005	P5: Summer Street, lined 139.65' of 8" pipe (066-083 to 066-079)	5,760 gpd			



**Table 1**  
**City of Brockton, Massachusetts**  
**Consent Decree, Civil Action Case No. 1:06-cv-11334-NMG**  
**Response to Section 42a - Activities Directed at Compliance with the Consent Decree**  
**History of Sewer System Repair and Rehabilitation**

Annual Quarter	Dates Work Performed	Description of Work	Infiltration Removed	Flow in gallons per day		
				Inflow Removed	Total I/I per quarter	Exfiltration Source
4th Quarter 2005	December 1, 2005	P5: Summer Street, lined 54.3' of 8" pipe (066-083 to 066-084)				
	December 1, 2005	P5: Summer Street, lined 174.45' of 8" pipe (066-084 to 066-085)	1,080 gpd			
	December 1, 2005	P5: Summer Street, lined 215.2' of 8" pipe (066-085 to 066-086)				
	November 30, 2005	P5: Pleasant Street, lined 152' of 8" pipe (017-162 to 017-160B)	1,080 gpd			
	November 30, 2005	P5: Pleasant Street, lined 308.3' of 8" pipe (017-160B to 017-160A)	8,460 gpd			
	November 30, 2005	P5: Pleasant Street, lined 307.7' of 8" pipe (017-160A to 017-160)				
	November 29, 2005	P5: Prospect Avenue, lined 308.05' of 8" pipe (017-114 to 017-113)	4,320 gpd			
	November 28, 2005	P5: Cross Country (off E. Ashland), lined 195.3' of 15" pipe (045-034 to 045-035)	1,382 gpd			
	November 28, 2005	P5: Cross Country (off E. Ashland), lined 207.4' of 15" pipe (045-033 to 045-034)	1,473 gpd			
	November 18, 2005	P5: No. Quincy Street, lined 70.15' of 8" pipe (049-102 to 049-102A)	107 gpd			
	November 18, 2005	P5: No. Quincy Street, lined 275.45' of 8" pipe (049-103 to 049-102)	4,380 gpd			
	November 18, 2005	P5: No. Quincy Street, lined 287.2' of 8" pipe (049-104 to 049-103)	7,250 gpd			
	November 18, 2005	P5: No. Quincy Street, lined 326.1' of 8" pipe (049-105A to 049-104)	7,250 gpd			
	November 18, 2005	P5: E. Ashland Street, lined 21' of 12" pipe (040-015 to 040-016)	8,640 gpd			
	November 18, 2005	P5: E. Ashland Street, lined 152' of 12" pipe (040-003B to 040-015)	6,480 gpd			
	November 17, 2005	P5: Easement (between Manomet & Grafton), lined 129.3' of 8" pipe (020-048 to 020-043)	1,800 gpd			
	November 17, 2005	P5: Easement (between Manomet & Grafton), lined 250.7' of 8" pipe (020-049 to 020-048)	1,800 gpd			
	November 16, 2005	P5: No. Quincy Street, lined 295.8' of 8" pipe (045-072 to 045-074)				
	November 16, 2005	P5: No. Quincy Street, lined 301.6' of 8" pipe (045-075 to 045-074)				
	November 16, 2005	P5: No. Quincy Street, lined 239.6' of 8" pipe (045-075 to 045-076)				
	November 15, 2005	P5: Georgene Drive, lined 208.7' of 8" pipe (067-067A to 067-067)	764 gpd			
	November 15, 2005	P5: Georgene Drive, lined 210.35' of 8" pipe (067-069 to 067-067A)	8,095 gpd			
	November 14, 2005	P5: Clinton Street, lined 286.9' of 8" pipe (018-010A to 018-010)	5,760 gpd			
	November 10, 2005	P5: Cross Country, lined 161.45' of 12" pipe (045-017 to 045-016)	6,808 gpd			
	November 10, 2005	P5: Cross Country, lined 155.9' of 12" pipe (045-016 to 045-015)	6,643 gpd			
	November 10, 2005	P5: Cross Country, lined 245.1' of 12" pipe (045-015 to 045-014)	10,356 gpd			
	November 10, 2005	P5: Cross Country, lined 236.85' of 12" pipe (045-014 to 045-013)	10,068 gpd			
	November 10, 2005	P5: Cross Country, lined 224.9' of 12" pipe (045-013 to 045-012A)	9,325 gpd			
	November 10, 2005	P3: High Street, replaced 173.9' of 8" pipe (019-091 to 019-088A)	360 gpd			
	November 9, 2005	Hatchfield Dr, replaced 2' of 8" pipe STA 1+01 to 1+03 (032-055C to 032-055B) see Photo 131A & 131B	1,440 gpd			
	November 9, 2005	P5: Twelfth Avenue, lined 298.7' of 8" pipe (067-033 to 067-031)	6,873 gpd			
	November 9, 2005	P5: Twelfth Avenue, lined 297' of 8" pipe (067-034 to 067-033)	6,873 gpd			
	November 9, 2005	P5: Twelfth Avenue, lined 191.3' of 8" pipe (067-035 to 067-034)	3,254 gpd			
	November 8, 2005	P5: Carleton Street, lined 407.1' of 8" pipe (017-127 to 017-088)				
	November 7, 2005	P5: Plain Street, lined 349.1' of 8" pipe (067-065 to 067-067)	764 gpd			
	November 4, 2005	P5: Augusta Avenue, lined 270.8' of 8" pipe (017-110 to 017-074)	2,160 gpd			
	November 2, 2005	P5: Hamilton Street, lined 273.7' of 8" pipe (117-097 to 117-099)	2,940 gpd			
	November 2, 2005	P5: Hamilton Street, lined 275.8' of 8" pipe (117-098 to 117-099)	1,440 gpd			
	November 2, 2005	P5: Boulders Apartments, lined 304.9' of 8" pipe (045-037E to 045-037G)	4,583 gpd			
	November 2, 2005	P5: No. Quincy Street, lined 292.4' of 8" pipe (049-109 to 049-108)	5,050 gpd			
	November 2, 2005	P5: No. Quincy Street, lined 337.1' of 8" pipe (049-109 to 049-110)				
	November 2, 2005	P5: Bedford Street, lined 347.65' of 8" pipe (045-047 to 045-048)				
	November 2, 2005	P5: Bedford Street, lined 158.8' of 8" pipe (045-047 to 045-046)				
	November 2, 2005	P5: Manomet Street, lined 149.85' of 8" pipe (020-061 to 020-060)	3,960 gpd			
	November 2, 2005	P5: Manomet Street, lined 136.1' of 8" pipe (020-066 to 020-065)	180 gpd			
	November 2, 2005	P5: Manomet Street, lined 267.1' of 8" pipe (020-065 to 020-061)	315 gpd			
	November 2, 2005	P5: Anania Terrace, lined 388.4' of 8" pipe (020-067 to 020-065)	14,400 gpd			
	November 2, 2005	P5: Loucraft Avenue, lined 310.4' of 8" pipe (019-043 to 019-042)				
	November 2, 2005	P5: Maplewood Cir., lined 242.8' of 10" pipe (045-031A to 045-033B)	21,600 gpd			
	November 2, 2005	P5: Maplewood Cir., lined 152.1' of 10" pipe (045-031A to 045-030A)	4,320 gpd			
	November 2, 2005	P5: Maplewood Cir., lined 90' of 10" pipe (045-029A to 045-030A)	1,440 gpd			
	November 2, 2005	P5: Maplewood Cir., lined 308.3' of 10" pipe (045-029A to 045-028)	5,040 gpd			
	October 19, 2005	P5: Pomona Drive, lined 279.5' of pipe (045-032A to 045-032B)				
	October 19, 2005	P5: Pomona Drive, lined 105.4' of pipe (045-032A to 045-032G)	2,800 gpd			
	October 19, 2005	P5: Pomona Drive, lined 213.5' of pipe (045-032H to 045-032G)	360 gpd			
	October 19, 2005	P5: Pomona Drive, lined 118.6' of pipe (045-032H to 045-032I)	720 gpd			
	October 19, 2005	P5: Pomona Drive, lined 47.3' of pipe (045-032C to 045-032B)				



**Table 1**  
**City of Brockton, Massachusetts**  
**Consent Decree, Civil Action Case No. 1:06-cv-11334-NMG**  
**Response to Section 42a - Activities Directed at Compliance with the Consent Decree**  
**History of Sewer System Repair and Rehabilitation**

Annual Quarter	Dates Work Performed	Description of Work	Infiltration Removed	Flow in gallons per day		Exfiltration Source
				Inflow Removed	Total I/I per quarter	
3rd Quarter 2005	October 19, 2005	P5: Oberline Road, lined 319.6' of pipe (045-032B to 045-032D)				
	October 19, 2005	P5: Annadea Road, lined 297.9' of 8" pipe (047-007A to 047-006A)	3,600 gpd			
	October 19, 2005	P5: Annadea Road, lined 227.9' of 8" pipe (047-007A to 047-008A)	1,080 gpd			
	October 19, 2005	P5: Annadea Road, lined 221.3' of 8" pipe (047-009A to 047-008A)	1,448 gpd			
	October 19, 2005	P5: Court Street, lined 422.65' of 8" pipe (047-061 to 047-063)	4,320 gpd			
	October 19, 2005	P5: Court Street, lined 245.3' of 8" pipe (047-061 to 047-020)	1,080 gpd			
	October 17, 2005	P5: Charline Drive, lined 57.15' of 8" pipe (047-062 to 047-062A)				
	October 17, 2005	P5: Charline Drive, lined 336.6' of 8" pipe (047-061 to 047-062)	2,700 gpd			
	October 13, 2005	P5: Pomona Drive, lined 243.3' of pipe (045-032 to 045-032A)	3,600 gpd			
	October 12, 2005	P5: Bark Circle, lined 238' of 8" pipe (045-083 to 045-084)				
	October 12, 2005	P5: Bark Circle, lined 205.4' of 8" pipe (045-083 to 045-082)				
	October 11, 2005	P3: Lincoln Street, replaced 205.2' of 10" pipe (019-103A to 019-103B)	2,160 gpd			
	October 11, 2005	P3: Lincoln Street, replaced 126.3' of 10" pipe (019-103B to 019-103C)				
	October 11, 2005	P3: Lincoln Street, replaced 59.9' of 10" pipe (019-103C to 019-103D)				
	October 11, 2005	P3: Lincoln Street, replaced 94.1' of 10" pipe (019-103D to 019-103E)				
	October 11, 2005	P3: Lincoln Street, replaced 134.1' of 10" pipe (019-103E to 019-103F)				
	October 11, 2005	P3: School St, replaced 294' of 10" pipe (019-088 to 019-103B)	720 gpd		396,268 gpd	
	Sept. 27 - 28, 2005	P5: Rehabilitation of 7 manholes	5,760 gpd			
	September 23, 2005	Van Cliff, replaced 8" pipe STA 3+00 to 3+05 (032-053 to 032-052) see Photos 127A & 127B				
	September 21, 2005	Marie Ave., replaced 8" pipe STA 2+70 to 2+89 (050-065 to 050-065B) see Photos 129A & 129B	2,880 gpd			
	September 21, 2005	Marie Ave., replaced 6' of 8" pipe STA 2+20 to 2+26 (050-066 to 050-067) see Photo 130A & 130B	1,440 gpd			
	September 20, 2005	Budd Ave., replaced 8" pipe STA 1+50 to 1+55 (053-062 to 053-063) see Photos 128A & 128B	7,200 gpd			
	September 16, 2005	P3: Green St., replaced 275' of 6" pipe (019-025 to 019-024)	1,440 gpd			
	September 12, 2005	Van Cliff, replaced 8" pipe STA 1+65 to 1+69 (032-053 to 032-052) see Photos 126A & 126B				
	September 6, 2005	P3: N. Warren Ave., replaced 365' of 8" pipe (019-042 to 019-040)				
	September 6, 2005	P3: N. Warren Ave., replaced 157' of 8" pipe (019-044 to 019-042)	6,840 gpd			
	August 31, 2005	P2: Bartlett St., replaced 19.5' of 30" pipe (018-051B to 018-051)				
	August 31, 2005	P2: Chester Ave., replaced 18' of 18" pipe (018-051A to 018-051)				
	August 31, 2005	P2: Chester Ave., replaced 19.5' of 18" pipe (018-051B to 018-056)				
	August 31, 2005	P2: Chester Ave., replaced 89.5' of 18" pipe (018-056 to 018-056B)				
	August 25, 2005	West St., replaced 4' of 10" sewer pipe STA 1+29 to 1+33 (014-077 to 014-078)	1,440 gpd			
	August 23, 2005	P3: Roan Crt., replaced 286' of 8" pipe (019-041 to 019-040)				
	August 19, 2005	Roan Court, removed water & sewer service cross connection @ abandoned lot (019-040 to 019-041)	21,600 gpd			
	August 11, 2005	Rockland St., replaced service wye at STA 1+70 (031-088 to 031-093) see Photos 122A & 122B				
	August 10, 2005	Rockland St., replaced wye & pipe STA 0+84 - 0+89 (031-087 to 031-086) see Photos 123A & 123B				
	August 10, 2005	Windsor Cir., replaced 8" pipe STA 1+55 to 1+60 (031-090 to 031-089) see Photos 124A & 124B	5,760 gpd			
	August 8, 2005	Rockland St., replaced 8" pipe STA 0+00 to 0+05 (031-088 to 031-093) see Photos 121A & 121B				
	August 8, 2005	Chester Ave., replaced sewer manhole with underdrain connection (018-056) see Photos 119A	14,400 gpd			
	August 5, 2005	Adams St., replaced 8' of 8" pipe (053-097 to 053-096) see Photo 120A and 120B	7,200 gpd			
	August 5, 2005	P3: Plain St., replaced 210.6' of 10" pipe (066-082A to 066-082)				
	August 5, 2005	P3: Plain St., replaced 320.1' of 15" pipe (066-078 to 066-079)				
	August 5, 2005	P3: Plain St., replaced 265' of 15" pipe (066-080 to 066-079)				
	August 5, 2005	P3: Plain St., replaced 229' of 15" pipe (066-080 to 066-081)				
	August 5, 2005	P3: Plain St., replaced 254' of 15" pipe (066-081 to 066-082)				
	July 19, 2005	Calvin St., replaced service wye at STA 0+30 (031-031 to 031-030) see Photos 125A & 125B				
	July 15, 2005	Calvin St., replaced 4' of 8" pipe STA 1+54 to 1+58 (031-031 to 031-030)	2,880 gpd		78,840 gpd	
2nd Quarter 2005	June 17, 2005	P3: Otis St., replaced 223' of 8" pipe (055-043 to 055-042B)	410 gpd			
	May 30, 2005	Forest Ave., replaced pipe (021-032 to 021-031) see Photos 116A & 116B				
	May 17, 2005	Carrol Ave., replaced service wye STA 1+06 (025-021B to 025-021A) see Photos 115A & 115B	720 gpd			
	May 16, 2005	P3: Appleby St., replaced 283' of 10" pipe (067-015 to 067-028)	760 gpd			
	May 12, 2005	P3: Armistion St., replaced 334' of 10" pipe (045-060 to 045-059)	8,640 gpd			
	May 12, 2005	P3: Armistion St., replaced 336' of 10" pipe (045-061 to 045-060)	4,320 gpd			
	May 11, 2005	P3: Twelfth Ave., replaced 300' of 8" pipe (067-031 to 067-028)	570 gpd			
	May 11, 2005	Carrol Ave., replaced service wye STA 0+59 (025-021B to 025-021A) see Photos 118A & 118B	1,440 gpd			



**Table 1**  
**City of Brockton, Massachusetts**  
**Consent Decree, Civil Action Case No. 1:06-cv-11334-NMG**  
**Response to Section 42a - Activities Directed at Compliance with the Consent Decree**  
**History of Sewer System Repair and Rehabilitation**

Annual Quarter	Dates Work Performed	Description of Work	Infiltration Removed	Flow in gallons per day		Exfiltration Source
				Inflow Removed	Total I/I per quarter	
2nd Qu	May 10, 2005	Carrol Ave., replaced pipe STA 1+42 to 1+47 (025-021A to 025-021C) <b>see Photos 117A &amp; 117B</b>				
	May 6, 2005	P3: Twelfth Ave., replaced 225' of 10" pipe (067-028 to 067-027)	8,990 gpd			
	April 28, 2005	P3: Armistion St., replaced 300' of 8" pipe (045-062 to 045-061)		720 gpd		
	April 28, 2005	P3: Armistion St., replaced 238' of 8" pipe (045-063 to 045-062)		36,000 gpd		
	April 15, 2005	P3: Pratt St., replaced 207' of 10" pipe (045-064 to 045-065)		8,640 gpd		
	April 12, 2005	P3: Armistion St., replaced 340' of 10" pipe (045-058 to 045-059)	30,240 gpd		101,450 gpd	
	April 12, 2005	P3: Allerton St., replaced 269' of 10" pipe (045-064 to 045-061)				
1st Quarter 2005	March 26, 2005	Woodard Ave, replaced 4' of 12" pipe from STA 2+21 to 2+25 (025-103 to 025-102)	1,440 gpd			
	March 8, 2005	Woodard Ave, replaced service wye STA 0+87 (025-003 to 025-002) <b>see Photos 114A &amp; 114B</b>	1,440 gpd			
	February 16, 2005	Vesey St., replaced pipe from STA 0+89 to 0+97 (023-028 to 023-027) <b>see Photos 113A &amp; 113B</b>				
	February 14, 2005	Vesey St., replaced service wye at STA 2+11 (023-029 to 023-028) <b>see Photos 112A &amp; 112B</b>	1,440 gpd			
	January 11, 2005	Hillberg Ave., replaced pipe from STA 0+35 to 0+51 (023-042 to 023-041) <b>see Photos 111A &amp; 111B</b>	438 gpd		4,758 gpd	
	January 11, 2005	Hillberg Ave., replaced pipe from STA 0+78 to 0+94 (023-040A to 023-040) <b>see Photos 107A &amp; 107B</b>				
4th Quarter 2004	December 21, 2004	Hillberg Ave., replaced pipe from STA 0+97 to 1+01 (023-044 to 023-043) <b>see Photos 108A &amp; 108B</b>	1,440 gpd			
	December 14, 2004	P2: Silver Rd., replaced 685' of 10" pipe (017-059 to 017-061)	15,840 gpd			
	December 14, 2004	Tremont St., replaced wye & pipe from STA 2+30 to 2+36 (023-016 to 023-014) <b>see Photos 109A &amp; 109B</b>	1,440 gpd			
	Dec. 13-30, 2004	Whitman Interceptor lining, Southfield Dr., East St. to Edison Easement (1,570 ft)	20,000 gpd			
	December 13, 2004	French Ave., replaced pipe from STA 1+13 to 1+25 (023-027 to 023-025) <b>see Photos 110A &amp; 110B</b>	2,160 gpd			
	December 3, 2004	P3: Annadea Rd., replaced 253' of 8" pipe (047-003A to 047-002A)	8,640 gpd			
	December 3, 2004	P3: Edward St., replaced 295' of 8" pipe (047-042 to 047-043)	2,160 gpd			
	December 3, 2004	P3: Edward St., replaced 207' of 8" pipe (047-042 to 047-041)	2,160 gpd			
	December 3, 2004	P3: Crane Rd., replaced 301' of 8" pipe (047-15A to 047-14A)	4,140 gpd			
	December 3, 2004	P3: Crane Rd., replaced 297' of 8" pipe (047-016A to 047-015A)	360 gpd			
	December 3, 2004	P3: Crane Rd., replaced 197' of 8" pipe (047-017A to 047-016A)	4,320 gpd			
	December 2, 2004	P3: Twin Oaks, replaced 225' of 8" pipe (047-009A to 047-010B)	17,285 gpd			
	December 2, 2004	P3: Twin Oaks, replaced 300' of 8" pipe (047-011A to 047-009A)	5,760 gpd			
	December 2, 2004	P3: Twin Oaks, replaced 250' of 8" pipe (047-011A to 047-012A)	1,440 gpd			
	December 2, 2004	French Ave., replaced pipe from STA 0+45 to 0+47 (023-027 to 023-025) <b>see Photos 105A &amp; 105B</b>				
	November 29, 2004	P2: Belmont Ave., replaced 89' of 8" and 10" pipe (017-011F to 017-011F1)	3,060 gpd			
	November 22, 2004	P2: Augusta Ave., replaced 763' of 8" and 6" pipe (017-110 to 017-115)	360 gpd			
	November 16, 2004	P2: Greenfield St., replaced 456' of 8" and 6" pipe ( 017-110 to 017-111)	7,020 gpd			
	November 8, 2004	P2: Spring St., replaced 292' of 8" pipe (017-036 to 017-037)	4,102 gpd			
	November 2, 2004	French Ave., replaced pipe from STA 0+16 to 0+18 (023-027 to 023-025) <b>see Photos 106A &amp; 106B</b>	13,680 gpd			
	November 2, 2004	P2: Poplar Rd., replaced 654' of 8" pipe (017-053 to 017-CAP6)	5,220 gpd			
	October 26, 2004	P2: Brook St. replaced 1,097' of 8" and 10" pipe (018-012A to 018-030)	11,430 gpd			
	October 25, 2004	P2: Green St., replaced 508' of 8" and 10" pipe (017-034 to 017-035)	4,320 gpd			
	October 14, 2004	Myrtle St, replaced pipe STA 0+14 to 0+18 (022-036 to 022-035) <b>see Photos 94A</b>	7,200 gpd			
	October 12, 2004	P2: Newbury St., replaced 528' of 8" and 6" pipe (017-128 to 017-131)	2,160 gpd		147,857 gpd	
	October 4, 2004	School St, replaced pipe from STA 0+05 to 0+09 (019-103B to 019-103A) <b>see Photos 95A &amp; 95B</b>				
3rd Quarter 2004	September 30, 2004	Lincoln St, capped service STA 2+03 (019-103A to 019-103) <b>see Photos 97A &amp; 97B</b>	1,440 gpd			
	September 30, 2004	Lincoln St, replaced pipe from STA 0+80 to 0+85 (019-103A to 019-103) <b>see Photos 96A &amp; 96B</b>	360 gpd			
	September 30, 2004	P2: Ash St., replaced 299' of 8" pipe (017-038 to 017-039)	650 gpd			
	September 24, 2004	Center St, replaced pipe STA 0+82 to 0+94 (0190-65 to 019-037B) <b>see Photos 99A &amp; 99B</b>	1,440 gpd			
	September 24, 2004	Center St, replaced service wye STA 1+08 (019-073 to 019-074) <b>see Photos 98A</b>				
	September 22, 2004	P2: Boylston St. replaced 561' of 8" pipe (020-054 to 020-056)	4,320 gpd			
	September 20, 2004	High St, replaced pipe from STA 1+15 to 1+21 (019-091 to 019-088A) <b>see Photos 100A &amp; 100B</b>	1,440 gpd			
	September 15, 2004	P2: Camden Ave., replaced 292' of 8" pipe (020-060 to 020-060A)				
	September 14, 2004	Legion PKW, replaced pipe from STA 0+46 to 0+64 (019-076 to 019-090) <b>see Photos 101A &amp; 101B</b>	1,440 gpd			
	September 8, 2004	Legion PKW, replaced pipe from STA 0+96 to 0+98 (019-079 to 019-076) <b>see Photos 102A &amp; 102B</b>				



Table 1  
City of Brockton, Massachusetts  
Consent Decree, Civil Action Case No. 1:06-cv-11334-NMG  
Response to Section 42a - Activities Directed at Compliance with the Consent Decree  
History of Sewer System Repair and Rehabilitation

Annual Quarter	Dates Work Performed	Description of Work	Infiltration Removed	Flow in gallons per day		Exfiltration Source
				Inflow Removed	Total I/I per quarter	
2nd Quarter 2004	September 8, 2004	P2: Forest Rd. replaced 218' of 8" pipe (018-20A to 018-021A)	720 gpd			
	September 7, 2004	Center St, replaced service wye STA 0+19 (019-073 to 019-072) see Photos 103A & 103B				
	September 2, 2004	Packard WY, replaced pipe STA 3+01 to 3+10 (021-004 to 021-003) see Photos 104A	2,880 gpd		19,010 gpd	
					0 gpd	
1st Quarter 2004					0 gpd	
4th Quarter 2003	Sept 26 - Dec 31, 2003	Abington removal of 8 sump pumps		172,800	172,800 gpd	
3rd Quarter 2003	July 2003	P1: 002-079 MH rehab	2,880 gpd			
	July 2003	P1: 002-081 MH rehab	2,880 gpd			
	July 2003	P1: 002-098 MH rehab	4,320 gpd			
	July 2003	P1: 002-201 MH rehab	2,880 gpd			
	July 2003	P1: 002-200A MH rehab	2,880 gpd			
	August 2003	P1: 004-006 MH rehab	5,760 gpd			
	July 2003	P1: 009-017A MH rehab	7,200 gpd			
	July 2003	P1: 011-001 MH rehab	5,760 gpd			
	July 2003	P1: 011-002 MH rehab	4,320 gpd			
	July 2003	P1: 011-018 MH rehab	2,880 gpd			
	August 2003	P1: 012-067 MH rehab	2,160 gpd			
	July 2003	P1: 012-076 MH rehab	2,880 gpd			
	July 2003	P1: 017-125 MH rehab	4,320 gpd			
	August 2003	P1: 017-054 MH rehab	7,200 gpd			
	July 2003	P1: 021-001 MH rehab	28,800 gpd			
	August 2003	P1: 025-041A MH rehab	4,320 gpd			
	July 2003	P1: 027-068 MH rehab	2,160 gpd			
	July 2003	P1: 031-016 MH rehab	2,880 gpd			
	July 2003	P1: 031-089 MH rehab	7,200 gpd			
	July 2003	P1: 031-050A MH rehab	7,200 gpd			
	July 2003	P1: 032-019 MH rehab	4,320 gpd			
	August 2003	P1: 033-021 MH rehab	2,880 gpd			
	August 2003	P1: 041-079 MH rehab	7,200 gpd			
	July 2003	P1: 045-033 MH rehab	7,200 gpd			
	August 2003	P1: 045-065 MH rehab	7,200 gpd			
	July 2003	P1: 046-113A MH rehab	2,160 gpd			
	July 2003	P1: 047-029 MH rehab	4,320 gpd			
	July 2003	P1: 048-057D MH rehab	3,600 gpd			
	July 2003	P1: 049-091 MH rehab	2,160 gpd			
	August 2003	P1: 052-010 MH rehab	3,600 gpd			
	July 2003	P1: 061-011 MH rehab	5,040 gpd			
	July 2003	P1: 065-021 MH rehab	7,200 gpd			
	July 2003	P1: 065-028 MH rehab	31,680 gpd			
	August 2003	P1: 065-008A MH rehab	2,160 gpd			
	August 2003	P1: 117-088A MH rehab	4,320 gpd			
	August 2003	P1: Pleasant Street 008-010 towards 008-011 65' 8"	5,900 gpd			
	August 2003	P1: Rockland Street 008-013 to 008-012 306' 8"	25,000 gpd			
	July 2003	P1: Belair Street 004-040 to 004-023 116' 15"	3,600 gpd			
	July 2003	P1: Belair Street 004-023 to 004-020, 248' 15"	15,120 gpd			
	July 2003	P1: Belair Street 004-020 to 004-016, 320' 15"	16,560 gpd			
	July - Sept. 2003	Abington removal of 21 sump pumps		440,000 gpd	712,100 gpd	
1st Quarter 2003	May 2003	P1: Belair Street 004-045 to 004-044 280' 15"	0 gpd			
	May 2003	P1: Belair Street 004-044 to 004-042 250' 15"	0 gpd			
	April 2003	P1: Belair Street 004-042 to 004-041 220' 15"	1,275 gpd			



**Table 1**  
**City of Brockton, Massachusetts**  
**Consent Decree, Civil Action Case No. 1:06-cv-11334-NMG**  
**Response to Section 42a - Activities Directed at Compliance with the Consent Decree**  
**History of Sewer System Repair and Rehabilitation**

Annual Quarter	Dates Work Performed	Description of Work	Infiltration Removed	Flow in gallons per day		Exfiltration Source
				Inflow Removed	Total I/I per quarter	
2nd Quar 2003	April 2003	P1: Belair Street 004-041 to 004-040 364' 15" & 18"	2,880 gpd			
	June 2003	P1: North Cary Steet 040-031 to 040-029 164' 12"	11,520 gpd			
	June 2003	P1: North Cary Steet 040-029 to 040-028 353' 12"	112,320 gpd			
	April 8, 2003	P1: Belair Street 004-016 to 017-012A, 415' 15"	14,400 gpd		142,395 gpd	
1st Quarter 2003	March 20, 2003	P1: Belair Street 017-012A to 017-011A 55' 15"	0 gpd			
	March 10, 2003	P1: Westgate Drive 007-127F to 007-127Q 196' 12"	34,560 gpd			
	February 26, 2003	P1: Easement off E. Westgate Dr. 007-127D to 007-127C 326' 12"	30,560 gpd			
	February 15, 2003	P1: Easement off E. Westgate Dr. 007-127C to 007-127B 251' 12"	57,500 gpd			
	February 10, 2003	P1: Easement off E. Westgate Dr. 007-127B to 007-127 335' 12"	410 gpd		123,030 gpd	
4th Quarter 2002	December-02	P1: Belair Street 017-011A to 017-010B 174' 15"	26,640 gpd			
	December-02	P1: Belair Street 017-010B to 017-011B 98' 15"	11,520 gpd			
	November-02	P1: Belair Street 017-011B to 017-010A 146' 15"	0 gpd			
	November-02	P1: Belair Street 017-010A to 017-009A, 235' 15"	2,160 gpd			
	November-02	P1: Belair Street 017-009A to 017-001B 209' 15"	0 gpd			
	Oct - Dec 2002	Removal of 138 private sump pumps throughout the city		3,008,000 gpd		
	October 3, 2002	Legion PKW, disconnected private catch basin, STA 0+48 (019-077 to 019-076)see Photo 93A & 93B		107,000 gpd	3,155,320 gpd	
3rd Quarter 2002	August 20, 2002	Removed catch basin grate on sewer manhole at end of Thatcher Crt. (MH 058-022)	100,000 gpd			
	July 30, 2002	Ash St., replaced pipe and service from STA 1+22 to 1+56 (017-039 to 017-038)see Photo 92B	4,320 gpd			
	July 29, 2002	S. Fuller St., replaced pipe from STA 0+27 to 0+33 (018-016B to 018-016A)see Photo 90A & 90B	SPL			
	July 27, 2002	Dover St., replaced service wye at STA 2+24 (018-017 to 018-016A)see Photo 87A & 87B	360 gpd			
	July 25, 2002	Dover St., replaced service wye at STA 2+40 (018-017 to 018-016A)see Photo 88A	1,440 gpd			
	July 24, 2002	Forest Rd., replaced pipe from STA 0+17 to 0+23 (018-021A to 018-020A)see Photo 91A & 91B	SPL			
	July 23, 2002	Dover St., removed service wye at STA 1+18 (018-018B to 018-019C)see Photo 89A & 89B	SPL		106,120 gpd	
2nd Quarter 2002	May 28, 2002	Spring St., replaced pipe from STA 1+73 to 1+75 (017-038 to 017-037)see Photo 78A & 78B	SPL			
	May 21, 2002	Spring St., replaced service wye at STA 1+82 (017-037 to 017-036)see Photo 76A & 76B	4,320 gpd			
	May 20, 2002	Poplar Rd., replaced service wye at STA 0+60 (017-054 to 017-053)see Photo 77A & 77B	2,880 gpd			
	May 17, 2002	Poplar Rd., replaced service wye at STA 0+84 (017-055 to 017-054)see Photo 75A & 75B	720 gpd			
	May 13, 2002	Poplar Rd., replaced service wye at STA 1+22 (017-055 to 017-054)see Photo 85A & 85B	1,440 gpd			
	May 9, 2002	Augusta Ave., replaced pipe from STA 1+08 to 1+12 (017-115 to 017-113)see Photo 84A & 84B	SPL			
	May 8, 2002	Prospect Ave., replaced pipe from STA 0+23 to 0+27 (017-114 to 017-113)see Photo 83A & 83B	4,320 gpd			
	May 8, 2002	Hancock Av.,replaced pipe from STA 0+47 to 0+49 (009-086 to 009-085A)see Photo 74A & 74B	720 gpd			
	May 7, 2002	Earle St., replaced pipe from STA 2+20 to 2+25 (017-013A to 017-011A)see Photo 82A & 82B	SPL			
	May 7, 2002	Earle St., replaced pipe from STA 0+50 to 0+52 (017-013A to 017-011A)see Photo 79A & 79B	SPL			
	May 6, 2002	Elm St., replace pipe from STA 0+02 to 0+06 (011-011A to 011-011)see Photo 86A & 86B	720 gpd			
	May 2, 2002	Sunset Dr., replaced pipe from STA 0+00 to 0+05 (011-016 to 011-015)see Photo 81A & 81B	2,880 gpd			
	May 1, 2002	Sunset Dr., replaced pipe from STA 2+72 to 2+77 (011-017 to 011-016)see Photo 80A & 80B	720 gpd		18,720 gpd	
1st Quarter 2002	March 28, 2002	Hancock Ave., removed service stub at STA 1+45 (009-087 to 009-086)see Photo 73A & 73B	200 gpd			
	March 21, 2002	Hancock Ave., replaced service wye at STA 1+06 (009-087 to 009-086)see Photo 72A & 72B	1,440 gpd			
	March 11, 2002	Sunset Dr., replaced pipe from STA 1+45 to 1+52 (009-028 to 009-027)see Photo 71A & 71B	2,880 gpd			
	March 6, 2002	Margery Rd., replaced pipe from STA 1+11 to 1+16 (009-024 to 009-025A)see Photo 65A & 65B	1,440 gpd			
	March 5, 2002	Candy Ln., replaced pipe from STA 1+64 to 1+68 (009-021 to 009-020)see Photo 62A & 62B	100 gpd			
	March 4, 2002	Candy Ln., replaced pipe from STA 0+26 to 0+51 (009-020 to 009-019)see Photo 67A & 67B	1,440 gpd			
	February 28, 2002	Candy Ln., removed stub at STA 1+96 (009-021 to 009-020)see Photo 61A & 61B	SPL			
	February 26, 2002	Candy Ln., replaced pipe from STA 1+58 to STA 1+64 (009-020 to 009-019)see Photo 63A & 63B	1,000 gpd			
	February 25, 2002	N. Pearl St., replaced pipe from STA 0+15 to STA 0+25 (009-78A to 009-79)see Photo 70A & 70B	600 gpd			
	February 21, 2002	Candy Ln., replaced pipe from STA 0+0 to STA 0+28 (009-021B to 009-021)see Photo 68A & 68B	200 gpd			
	February 20, 2002	Candy Ln., replaced pipe from STA 2+63 to STA 2+68 (009-021 to 009-020)see Photo 69A & 69B	360 gpd			
	February 20, 2002	Candy Ln., replaced pipe from STA 1+09 to STA 1+15 (009-021A to 009-021B)see Photo 64A & 64B	100 gpd			
2001	January 10, 2002	E. Westgate Dr., replaced pipe from STA 0+48 to STA 0+52 (007-127I to 007-127G)see Photo 66A & 66B	1,440 gpd		11,200 gpd	
	November 24, 2001	203 Prospect St., replaced broken service pipe at STA 0+10 (006-094 to 006-096)	SPL			
	November 19, 2001	Candy Lane, replaced pipe from STA 0+10 to 0+14 (009-041 to 009-040)	1,440 gpd			
	November 15, 2001	Candy Ln., replaced pipe from STA 2+31 to 2+37 (009-043 to 009-043A)see Photo 59A & 59B	SPL			



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**History of Sewer System Repair and Rehabilitation**

Annual Quarter	Dates Work Performed	Description of Work	Flow in gallons per day			Exfiltration Source
			Infiltration Removed	Inflow Removed	Total I/I per quarter	
4th Quarter	November 14, 2001	Margery Rd., replaced pipe from STA 2+40 to 2+47 (009-042 to 009-041) see Photo 60A & 60B	SPL			
	November 13, 2001	Santee Road, replace pipe from STA 2+12 to 2+14 (009-058 to 009-056) see Photo 58A & 58B	SPL			
	November 13, 2001	Santee Road, replace pipe from STA 0+77 to 0+80 (009-058 to 009-056) see Photo 57A & 57B	SPL			
	November 13, 2001	Santee Road, replace pipe from STA 0+50 to 0+53 (009-058 to 009-056) see Photo 56A & 56B	SPL			
	October 17, 2001	191 Grove St., replaced broken pipe from approx. STA 0+40 to 0+46 (056+011 to 056+010)	SPL			
3rd Quarter 2001	October 9, 2001	West Street, replaced service wye at STA 0+30 (014-080 to 014-079) see Photo 55A	SPL		1,440 gpd	
	September 9, 2001	Fitzpatrick Cir, replaced pipe from STA 0+16 to 0+18 (005-104A to 005-104) see Photo 54B	SPL			
	August 20, 2001	Fitzpatrick Cir, replaced service wye at STA 1+32 (005-100 to 005-102) see Photo 52A & 52B	720			
	August 16, 2001	Fitzpatrick Cir, replaced service wye at STA 0+15 (005-098 to 005-099A) see Photo 48A & 48B	720			
	August 14, 2001	Fitzpatrick Cir, replaced service wye at STA 0+43 (005-104 to 005-102A) see Photo 53A & 53B	1,440			
	August 13, 2001	Fitzpatrick Cir, replaced wye & main from STA 1+12 to 1+20 (005-104A to 005-104) see Photo 49A & 49B	8,640			
	August 7, 2001	Sophia Ave., replaced pipe from STA 2+68 to 2+70 (005-140 to 005-136) see Photo 50A & 50B	SPL			
	August 3, 2001	Fitzpatrick Cir, replaced pipe from STA 2+38 to 2+46 (005-100 to 005-102) see Photo 51A & 51B	SPL		11,520 gpd	
2nd Quarter 2001	June 12, 2001	Oak Ridge Dr., replaced pipe from STA 1+40 to 1+55 (004-084 to 004-080) see Photo 47A & 47B	4,680 gpd			
	May 22, 2001	Crickett Rd., replaced pipe from STA 0+49 to 0+53 (004-057A to 004-053) see Photo 44A & 44B	7,200 gpd			
	May 21, 2001	Crickett Rd., replaced pipe from STA 1+82 to 1+86 (004-057A to 004-053) see Photo 45A & 45B	SPL			
	May 15, 2001	Shaws Parking Lot, removed entire 24" pipe (028-038 to 028-039)	SPL			
	May 15, 2001	Shaws Parking Lot, replaced entire 8" pipe (028-039 to 038-039A)	SPL			
	May 10, 2001	VFW off N. Quincy, repaired service pipe and wye (045-013 to 045-012) see Photo 46A & 46B	100,000 gpd			
	May 5, 2001	57 Wilder St., house service connected directly to drain pipe was removed see Photo 43	-			X
	April 25, 2001	Berglund Ave., replaced pipe from STA 2+10 to 2+13 (004-021 to 004-020) see Photo 37A & 37B	SPL			
	April 24, 2001	Berglund Ave., replaced pipe from STA 1+84 to 1+92 (004-021 to 004-020) see Photo 34A & 34B	SPL			
	April 23, 2001	Berglund Ave., replaced service wye at STA 2+35 (004-021 to 004-020) see Photo 36A & 36B	dripping			
	April 20, 2001	Benham St., replaced pipe from STA to ( ) see Photo 38A & 38B	???			
	April 19, 2001	Miller Ave., Replaced pipe from STA to ( ) see Photo 39A & 39B	???			
	April 12, 2001	Berglund Ave., replaced pipe from STA 1+71 to 1+74 (004-021 to 004-020) see Photo 35A & 35B	SPL			
	April 10, 2001	Thompson Ave., replaced pipe from STA 1+03 to 1+07 (004-017 to 004-016) see Photo 41A & 41B	SPL			
	April 9, 2001	Thompson Ave., replaced 6 " pipe from STA 0+38 to 0+44 (004-017 to 004-016) see Photo 42A & 42B	SPL			
	April 2, 2001	Reservoir Road, replaced service at wye at STA 0+74 (002-104 to 002-103) see Photo 40A & 40B	1,440 gpd		113,320 gpd	
1st Quarter 2001	March 27, 2001	Belmont and Ash St., replaced 8" pipe from STA 0+10 to 0+15 (018-072 to 018-073) see Photo 31A & 31B	SPL			
	March 19, 2001	Coventry Cir., replaced pipe from STA 0+91 to 0+97 (004-039A to 004-039) see Photo 34A & 34B	SPL			
	March 16, 2001	Coventry Cir., replaced pipe from STA 1+49 to 1+54 (004-039B to 004-039A) see Photo 32A & 32B	SPL			
	March 1, 2001	Coventry Cir., replaced pipe from STA 0+37 to 0+42 (004-039A to 004-039) see Photo 33A & 33B	14,400 gpd			
	February 27, 2001	Coventry Cir., replaced pipe from STA 0+70 to 0+76 (004-039B to 004-039A) see Photo 30A & 30B	SPL			
	February 26, 2001	Coventry Cir., replaced service connection at STA 0+12 (004-039B to 004-039A) see Photo 26A & 26B	5,760 gpd			
	February 20, 2001	Colonel Bell Dr., replaced pipe from STA 2+41 to 2+44 (004-007 to 004-006) see Photo 29A & 29B	2,880 gpd			
	February 12, 2001	Coventry Cir., replaced service connection at STA 1+44 (004-039A to 004-039) see Photo 27A & 27B	4,320 gpd			
	February 9, 2001	Coventry Cir., replaced pipe from STA 1+79 to 1+82 (004-039A to 004-039) see Photo 28A & 28B	4,320 gpd			
	January 30, 2001	Colonel Bell Dr., replaced service connection at STA 1+16 (004-036 to 004-024) see Photo 22A & 22B	4,320 gpd			
	January 29, 2001	Colonel Bell Dr., removed service wye at STA 1+04 (004-025 to 004-026) see Photo 21A & 21B	SPL			
	January 31, 2001	Colonel Bell Dr., removed service wye at STA 0+33 (004-008 to 004-007) see Photo 23A & 23B	SPL			
	January 23, 2001	Colonel Bell Dr., replaced pipe from STA 1+34 to 1+37 (004-025 to 004-026) see Photo 25A & 25B	SPL			
	January 9, 2001	Colonel Bell Dr., replaced pipe from STA 0+62 to 0+64 (004-004 to 004-003) see Photo 24A & 24B	2,160 gpd		38,160 gpd	
4th Quarter 2000	Nov. 30, 2000	West Haven Dr., replaced service connection at STA 0+44 (001-029 to 001-028) see Photo 12A & 12B	720 gpd			
	Nov. 28, 2000	West Haven Dr., replaced 7' of 8 " pipe, STA 1+85 to 1+92 (001-029 to 001-028) see Photo 20A & 20B	47 gpd *			
	Nov. 16, 2000	Elliot St., replaced 8' of broken pipe at house #184 (042-121 to 042-122) see Photo 15A & 15B	2,880 gpd			
	Nov. 14, 2000	Darren Dr., replaced pipe at leaking joint at STA 0+52 (001-028 to 001-026) see Photo 19A & 19B	SPL			
	October 26, 2000	Darren Dr., replaced pipe at leaking joint at STA 0+89 (001-028 to 001-026) see Photo 17A & 17B	SPL			
	October 23, 2000	Darren Dr., replaced 3 ' of cracked pipe STA 1+65 (001-028 to 001-026) see Photo 18A & 18B	SPL			
	October 17, 2000	Darren Dr., replaced 2' of broken pipe at STA 0+08 (001-028 to 001-026) see Photo 16A & 16B	SPL			
	October 5, 2000	Perkins Ave., replaced wye at STA 2+96 (063-009B to 063-005) see Photo 13A & 13B	SPL			
	October 3, 2000	Perkins Ave., plugged service wye at STA 3+30 ( 063-009B to 063-005) see Photo 14A & 14B	SPL			
	Sept. 15, 2000	Fitzpatrick Circle replaced 7' of 8" VCP	SPL		3,647 gpd	
	August 21, 2000	Vine St., replaced broken pipe and service STA 0+99 to 1+01 (037-093 to 037-092) see Photo 8A & 8B	SPL			



Table 1  
City of Brockton, Massachusetts  
Consent Decree, Civil Action Case No. 1:06-cv-11334-NMG  
Response to Section 42a - Activities Directed at Compliance with the Consent Decree  
History of Sewer System Repair and Rehabilitation

Annual Quarter	Dates	Description of Work	Infiltration Removed	Flow in gallons per day		Exfiltration Source
				Inflow Removed	Total I/I per quarter	
3rd Quarter 2000	August 17, 2000	12 Orchard Ave., removed service connection at STA 0+79 (037-128 to 037-127) <b>see Photo 9A &amp; 9B</b>	180 gpd			
	August 18, 2000	14 Orchard Ave., replaced service connection at STA 2+28 (037-128 to 037-127) <b>see Photo 10A &amp; 10B</b>	SPL			
	July 29, 2000	Van Cliff Ave., replaced service at STA 0+31 (032-059 to 032-052)	SPL			
	July 27, 2000	Paulin Ave., replaced service at STA 0+93 (065-070 to 065-069) <b>see Photo 11A &amp; 11B</b>	720 gpd			
	July 26, 2000	Burril St., replaced service & broken pipe from STA 2+18 to STA 2+19 (048-051 to 048-050)	2,160 gpd			
	July 19, 2000	Roan Crt., replaced service connections at STA 0+27 & 0+29 (019-041 to 019-040) <b>see Photo 1a &amp; 1b</b>	SPL			
	July 19, 2000	Roan Crt., replaced service connection at STA 0+61 (019-041 to 019-040) <b>see Photo 2a &amp; 2b</b>	SPL			
	July 18, 2000	Albany St., replaced leaking joints at STA 2+85 (001-019 to 001-018) <b>see Photo 3a &amp; 3b</b>	2,880 gpd			
	July 13, 2000	Stubb Rd., replaced service connection at STA 0+39 (009-026 to 009-024) <b>see Photo 5a &amp; 5b</b>	360 gpd			
	July 13, 2000	Stubb Rd., replaced service connection at STA 1+03 (009-026 to 009-024) <b>see Photo 6a &amp; 6b</b>	360 gpd			
	July 12, 2000	Stubb Rd., replaced broken pipe from STA 0+18 to 0+20 (009-026 to 009-024) <b>see Photo 7a &amp; 7b</b>	2,880 gpd			
2nd Quarter 2000	July 11, 2000	Windsor Cir., Replaced a service tap at STA 0+05 (031-092 to 031-091) <b>see Photo 4A &amp; 4B</b>	28,800 gpd		38,340 gpd	
	May 2000	Winnifred Road, service replacement at STA 1+32 (015-025 to 015-024)	360 gpd			
	May 2000	Fitzpatrick Avenue, replaced 300' of 8-in VC pipe that was defective (005-145A to MH 005-143)	2,010 gpd *			
	April 13, 2000	Main Interceptor infiltration leak at Meadow Lane bridge crossing	45,000 gpd			
1st Quarter 2000	?	Embassy Nursing Home had direct sewer connection to surface water			47,370 gpd	X
					0 gpd	
4th Quarter 1999	December 1999	Howard Street Sewer Replacement, 4,460 ft	29,882 gpd *			
	?	Snell Place Sewer Replacement of 15 ft	101 gpd *			
3rd Quarter 1999	July 1999	Country Club Lane Sewer Replacement of 400 ft	2,680 gpd *		29,983 gpd	
	July 1999	Country Club Place Sewer Replacement of 400 ft	2,680 gpd *			
2nd Quarter 1999	April 5, 1999	Belair St. MH 004-016 to 004-015 replaced 10' of 10" pipe between STA 1+83 & 1+89	67 gpd *		5,360 gpd	
					67 gpd	
1st Quarter 1999	March 29, 1999	Belair St. MH 004-016 to 004-015 replaced 6' of 10" pipe & 1 service between STA 1+37 & 1+41	40 gpd *			
	March 22, 1999	Belair St. MH 017-010B to 017-010A replace 6' of 10" pipe starting @ STA 0+28	40 gpd *			
4th Quarter 1998	September 1998	Warren & Keith, 60 ft west (Holmgren project)	402 gpd *		80 gpd	
	September 1998	Warren & W. Chestnut, 74 ft west (Holmgren project)	496 gpd *			
	September 1998	Warren & Calmar, 74 ft east (Holmgren project)	496 gpd *			
	September 1998	Warren & Market to Copeland, 1,135 ft (Holmgren project)	7,605 gpd *		8,999 gpd	
1st, 2nd, 3rd Quarter 1998	1998	Ellsworth (cured in place lining) 522 linear feet (017-125 to 017-118)	3,497 gpd *			
	January 1998	Disconnected CB connection to sewer at Stonehill College (at Duffy Academic Center)	41,200 gpd *			
4th Quarter 1997	December 1997	Warren & Clifton, north to Nilsson, 3,000 ft	20,100 gpd *		44,697 gpd	
					20,100 gpd	
3rd Quarter 1997	August 1, 1997	137 Perkins Ave, broken sewer leaking into a broken drain below				X
	?	Sewer overflow disconnected at siphon on Bartlett St.				X
	?	Sewer overflow disconnected on the East Side Interceptor				X
	August 1, 1997	Matfield Woods Estates, possible infiltration from a force main crossing of a brook			0 gpd	X
2nd Quarter 1997	April 1997	Sawtell Ave. Sewer Replacement of 300 ft with 8" PVC (between Glendale St. and Alden St.)	2,010 gpd *			
	March 1997	Wilmington St. Sewer Replacement of 100 ft with 15" PVC	670 gpd *			



Table 1  
City of Brockton, Massachusetts  
Consent Decree, Civil Action Case No. 1:06-cv-11334-NMG  
Response to Section 42a - Activities Directed at Compliance with the Consent Decree  
History of Sewer System Repair and Rehabilitation

Annual Quarter	Dates Work Performed	Description of Work	Infiltration Removed	Flow in gallons per day		Exfiltration Source
				Inflow Removed	Total I/I per quarter	
1st Qu 1996	January 27, 1997	150 Lisa Drive Replaced 8 ft of sewer with 8" PVC Market Street Sewer Replacement	54 gpd *		2,734 gpd	
4th Quarter 1996	October 1996 October 1996	Oak Green Apartments off Reservoir Street, disconnected a sewer MH from draining a surface water Biscayne Street Disconnected this abandoned private street from the city sewer because of several defects and constant I/I.	900,000 gpd		1,470,000 gpd	
3rd Quarter 1996	August 1996 August 1996	Howard Street Bridge Reconstruction, replaced 150 ft under bridge with 12" DI Terminal Place on Evans St., replaced 300 ft of sewer with 8"PVC	1,005 gpd * 2,010 gpd *		3,015 gpd	
2nd Quarter 1996	May 1996 May 1996 May 1996	- Replaced 50 ft from Warren Ave. going west with 8" PVC - Replaced 250 ft from intersection of Copeland with 12" DI - Replaced 240 ft from Warren Ave. going east with 24" PVC	335 gpd * 1,675 gpd * 1,608 gpd *		3,618 gpd	
1st Quarter 1996	March 22, 1996 February 29, 1996	Augusta Ave. replaced 6 ft with 8" PVC Ash St. and Pleasant St. replaced 25 ft with 8" PVC	40 gpd * 168 gpd *		208 gpd	
4th Quarter 1995	Dec. 27, 1995	68 Belair St. replaced 18 ft with 10" PVC	121 gpd *		121 gpd	
	Jan.-May 1995	Howard Street Interceptor Project - Replaced 838 ft on Intervale St. with 21" PVC - Replaced 244 ft on Dyer St. with 21" PVC - Replaced 1,511 ft on Winter St., Douglas St., and Oscar Ave. with 18" PVC	5,615 gpd * 1,635 gpd *			
	May 6, 1995	Rainville St. replaced 6 ft with 15" PVC	10,124 gpd *			
	April 1995	Sump pump removed at 55 Albert St.	40 gpd *			
	April 1995	Sump pump removed at 115/117 Ames St.	8,640 gpd **			
	April 1995	Sump pump removed at 234 Ames St.	8,640 gpd **			
	April 1995	Sump pump removed at 266 Ames St.	8,640 gpd **			
	April 1995	Sump pump removed at 60 Arthur St.	8,640 gpd **			
	April 1995	Sump pump removed at 122 Arthur St.	8,640 gpd **			
	April 1995	Sump pump removed at 21 Baltic Ave.	8,640 gpd **			
	April 1995	Sump pump removed at 70 Baltic Ave.	8,640 gpd **			
	April 1995	Sump pump removed at 185 Baltic Ave.	8,640 gpd **			
	April 1995	Sump pump removed at 155 Alden St.	8,640 gpd **			
	April 1995	Sump pump removed at 116 Ames St.	8,640 gpd **			
	April 1995	Sump pump removed at 260 Ames St.	8,640 gpd **			
	April 1995	Sump pump removed at 292 Ames St.	8,640 gpd **			
	April 1995	Sump pump removed at 105 Arthur St.	8,640 gpd **			
	April 1995	Sump pump removed at 136 Arthur St.	8,640 gpd **			
	April 1995	Sump pump removed at 40 Baltic Ave.	8,640 gpd **			
	April 1995	Sump pump removed at 77 Baltic Ave.	8,640 gpd **			
	April 1995	Sump pump removed at 38 Banks St.	8,640 gpd **			
	April 1995	Sump pump removed at 65 Lawton Ave.	8,640 gpd **			
	April 1995	Sump pump removed at 35 Louis St.	8,640 gpd **			
	April 1995	Sump pump removed at 22 Merton St.	8,640 gpd **			
	April 1995	Sump pump removed at 58 Merton St.	8,640 gpd **			
	April 1995	Sump pump removed at 96 Merton St.	8,640 gpd **			
	April 1995	Sump pump removed at 116 North Ave.	8,640 gpd **			
	April 1995	Sump pump removed at 154 North Ave.	8,640 gpd **			
	April 1995	Sump pump removed at 37 Saint Casimir St.	8,640 gpd **			
	April 1995	Sump pump removed at 30 Louis St.	8,640 gpd **			
	April 1995	Sump pump removed at 29 Merton St.	8,640 gpd **			
	April 1995	Sump pump removed at 68 Merton St.	8,640 gpd **			



Table 1  
City of Brockton, Massachusetts  
Consent Decree, Civil Action Case No. 1:06-cv-11334-NMG  
Response to Section 42a - Activities Directed at Compliance with the Consent Decree  
History of Sewer System Repair and Rehabilitation

Annual Quarter	Dates	Description of Work	Infiltration Removed	Flow in gallons per day		Exfiltration Source
				Inflow Removed	Total I/I per quarter	
	April 1995	Sump pump removed at 112 North Ave.	8,640 gpd **			
	April 1995	Sump pump removed at 122 North Ave.	8,640 gpd **			
	April 1995	Sump pump removed at 165 Ridge St.	8,640 gpd **			
	April 1995	Sump pump removed at 24 Vermont Ave.	8,640 gpd **			
	April 1995	Sump pump removed at 64 Banks St.	8,640 gpd **			
	April 1995	Sump pump removed at 11 Bellevue Ave.	8,640 gpd **			
	April 1995	Sump pump removed at 124 Bellevue Ave.	8,640 gpd **			
	April 1995	Sump pump removed at 43 Claremont St.	8,640 gpd **			
	April 1995	Sump pump removed at 107 Hovendon Ave.	8,640 gpd **			
	April 1995	Sump pump removed at 115 Hovendon Ave.	8,640 gpd **			
	April 1995	Sump pump removed at 164 Hovendon Ave.	8,640 gpd **			
	April 1995	Sump pump removed at 247 Howard St.	8,640 gpd **			
	April 1995	Sump pump removed at 10 Intervale St.	8,640 gpd **			
	April 1995	Sump pump removed at 19 Westford St.	8,640 gpd **			
	April 1995	Sump pump removed at 91 Banks St.	8,640 gpd **			
	April 1995	Sump pump removed at 117 Bellevue Ave.	8,640 gpd **			
	April 1995	Sump pump removed at 59 Bonney St.	8,640 gpd **			
	April 1995	Sump pump removed at 25 Granite St.	8,640 gpd **			
	April 1995	Sump pump removed at 114 Hovendon Ave.	8,640 gpd **			
	April 1995	Sump pump removed at 121 Hovendon Ave.	8,640 gpd **			
	April 1995	Sump pump removed at 243 Howard St.	8,640 gpd **			
	April 1995	Sump pump removed at 267 Howard St.	8,640 gpd **			
	April 1995	Sump pump removed at 15 Intervale St.	8,640 gpd **			
	April 11, 1995	240 Colonel Bell Drive replaced 6 ft with 8" PVC	40 gpd *			
	January 1, 1995	Sheridan St. replaced 10 ft with 10" PVC	67 gpd *			
	September 7, 1994	Braemoor Rd. replaced 8 ft with 8" PVC	54 gpd *			
	August 24, 1994	39 Southworth St. replaced 10 ft with 8" PVC	67 gpd *			
	August 1994	Fisk St. Sewer Replacement of 50 ft with 8" PVC	335 gpd *			
	June 6, 1994	Market St. replaced 200 ft with 10" PVC	1,340 gpd *			
	June 1994	I/I Rehabilitation Conducted by Atlantic Development Corporation				
		- Disconnected driveway drain from sewer at 28 Amark St.	4,320 gpd ***			
		- Disconnected driveway drain from sewer at 306 Field St.	4,320 gpd ***			
	Dec. 15, 1993	16 Hill St. replaced 8 ft with 8" PVC	54 gpd *			
	April 13, 1990	249 Boylston St. replaced 8 ft with 8" PVC	0 gpd *			
	May 1, 1990	Pleasant St. at Belair St. replaced 18 ft with 10" PVC	121 gpd *			

Estimated Total I/I Removed: 8,424,552 gpd

\* I/I estimate based on average I/I rate of 6.7 gpd/ft.

\*\* I/I estimate based on pump rate of 6 gpm.

\*\*\* I/I estimate based on pump rate of 3 gpm.

SPL: signs of previous leakage



Photo 227A - Portland St Sta 0+49



Photo 227B - Portland St Sta 0+49

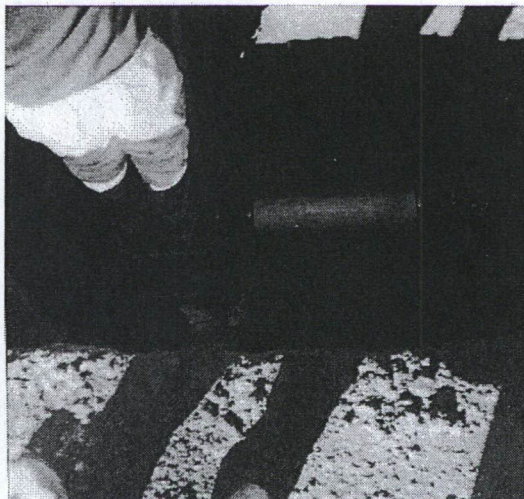


Photo 228A -Portland St Sta 2+02



Photo 228B -Portland St Sta 2+02

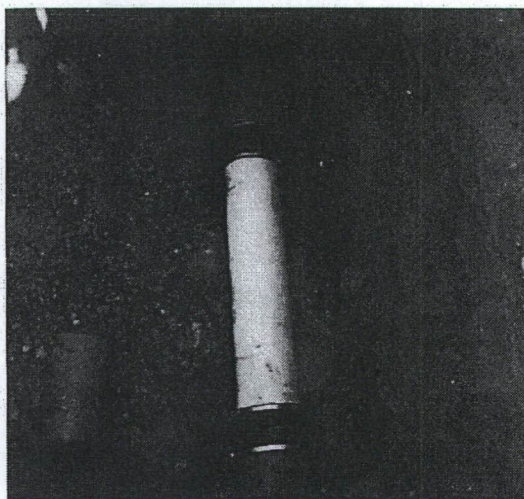


Photo 229A -Portland St Sta 2+34



Photo 229B -Portland St Sta 2+34

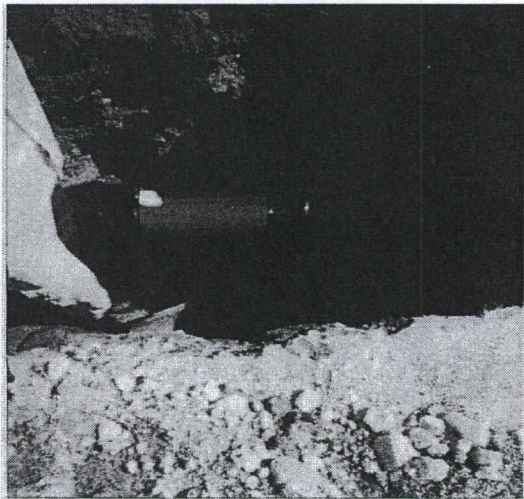




Photo 230A -Portland St Sta 2+21

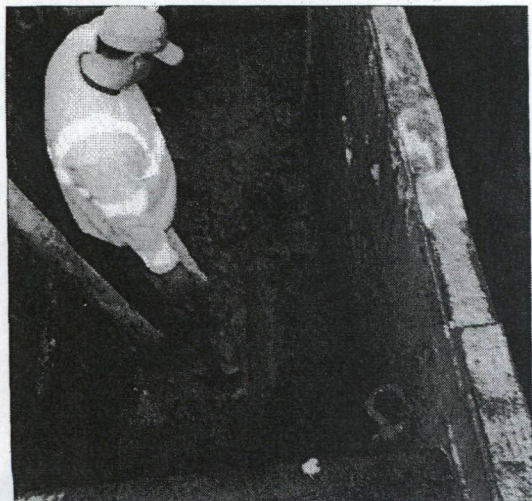
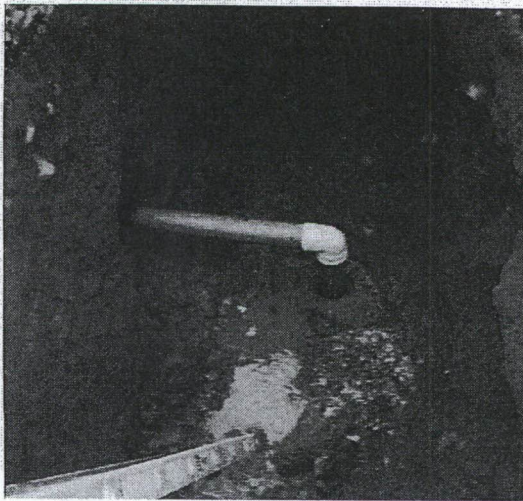


Photo 230B -Portland St Sta 2+21







*"City of Champions"*

DEPARTMENT OF PUBLIC WORKS  
OFFICE OF THE COMMISSIONER

*Michael L. Thoreson*  
COMMISSIONER

March 28, 2008

Mr. Paul Praderio, Project Manager  
Walsh Construction Company  
2 Commercial Street  
Sharon, Massachusetts 02067

Subject: Brockton, Massachusetts  
Phase 2 Wastewater Treatment Facility Upgrade  
DPW 05-203, CWSRF # 1722  
Substantial Project Completion

Dear Mr. Praderio:

In response to your letter of March 19, 2008 (copy enclosed), we wish to confirm that the project was substantially completed by the contract completion date of March 19, 2008. The work has been sufficiently completed to allow for its intended use and operation; excluding miscellaneous remaining work and punch list work. The list of remaining work that was attached to your letter is enclosed and will be supplemented by a more comprehensive listing of work being prepared by the field staff.

Very truly yours,

Michael L. Thoreson  
Commissioner of Public Works

MLT/ss

Enclosures

xc: Jack Hamm, MADEP, Boston **CERTIFIED MAIL 7007 0710 0002 5722 6026**  
David A. Norton, Water & Sewer Contract Administrator  
Gregory A. Roy, Associate, CDM Cambridge  
Antonio V. Bonilla, Construction Coordinator, CDM Providence





## Walsh Construction

A MEMBER OF The Walsh Group

3/19/2008

Document Number CDM-283  
Hand Delivered

Camp Dresser & McKee Inc.  
56 Exchange Terrace  
Providence, RI 02903

Attention: Mr. Antonio Bonilla

RE: Brockton Wastewater Treatment Facility Upgrade, Phase 2  
Walsh Project No. 205135  
Contract No. DPW-05-203  
Substantial Completion Request

Dear Mr. Bonilla,

Pursuant to the General Conditions specification section 00700 Paragraph 14.04A entitled "Substantial Completion" this letter provides formal notification that the Work for the Brockton WTF Upgrade, Phase 2 project is substantially complete (except for the attached list of minor incomplete work items) with all areas and systems operational put into their intended use under the care and custody of the City of Brockton.

Walsh Construction hereby formally requests issuance of a certificate of Substantial Completion dated March 19, 2008 for the Brockton WTF Upgrade, Phase 2 project.

If you have any questions or require additional information, please do not hesitate to contact this office.

Respectfully,  
Walsh Construction Company

Paul Praderio  
Project Manager

cc: File  
Mark Phelan, M&E – Hand Delivered  
Dave Norton, City of Brockton – Hand Delivered



# Walsh Generated Uncompleted Work Items

Revision Date: 3/19/2008

Area	Description	Responsibility
Dewatering	Demo in basement	Montle
Dewatering	Activate and test water heaters and emergency mixing water valve	Montle
Dewatering	Guardrail at Ferric Tank Platforms	SMJ
Dewatering	Install handrail for stairs Screw conveyor (week of 3/17/07)	SMJ/BioSec
Dewatering	2 hr spray for hatches	Soep
Dewatering	Patching floors at Equipment Pad Demo	Walsh
Filter Building	Install Door - Qty 1	TCI
GBT Building	SST#3 Roof Membrane Termination after Phase 3 Cover installation	CR
GBT Building	Complete Gas Alarm	Griffin
GBT Building	Performance testing of Mixing System and installation certificate	Mixing System
GBT Building	FRP Grating must be secured	Walsh
GBT Building	Demo Temp Piping for Sludge Transfer system	Walsh
GBT Building	Demo 6" and 8" DI at SST#3 and Install new pipe	Walsh
GBT Building	Test 8" from SST#3 to Pump room	Walsh
GBT Building	Install 4" PVC sink drain in basement	Walsh
GBT Building	Install tank sensors 4955 on SST#3 (after Phase 3 cover replacement)	Walsh
GBT Building	Install Flow Sensor at TAHU-2	Yankee
Gravity Thickener	Smoke and Air Test Covers	Hallsten
RAS	Activate HVAC Equipment	Montle
SC-2	Repaint	Soep
Site wide	Install Windows - Qty 3	AGC
Site wide	Glazing - Door Transoms	AGC
Site wide	Clean-up	All
Site wide	Seal all floor and wall penetrations	All
Site wide	Fire Protection Test	Carlyle
Site wide	Temporary Patching Asphalt - Bituminous	Dow
Site wide	UL Label for lightning protection	Griffin
Site wide	Fire Alarm Test	Griffin
Site wide	Caulk Windows, Doors, louvers	PJS
Site wide	Touch-up Paint	Soep
Site Wide	Signage	Walsh
Site wide	HVAC Testing and Balancing	Montle
Site wide	HVAC Vendor Training	Montle
Site wide	ATC Testing and Vendor Training	Montle
Site wide	Instrumentation Vendor Training	Erickson
Site wide	Pending Change Order Work	Walsh
Site wide	Regrade, Loam and Seed	Walsh
Site wide	CO2 Fire Extinguishers	Walsh





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 1  
1 CONGRESS STREET, SUITE 1100  
BOSTON, MASSACHUSETTS 02114-2023

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

February 14, 2008

Michael L. Thoreson  
City Hall  
45 School Street  
Brockton, MA 02301

Re: Brockton Wastewater Treatment Facility – Proposed Interim Limits during  
Phase III Construction

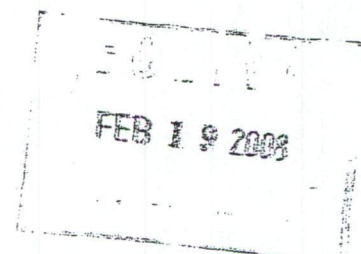
Dear Mr. Thoreson:

Under paragraph 44(c) of the June 26, 2006 Consent Decree, at least 60 days prior to the actual date for substantial completion of Phase II of the upgrade of the treatment facility, the City of Brockton is required to provide a written proposal for interim effluent limits for all parameters included in the permit with justification to the United States Environmental Protection Agency ("EPA") and the Massachusetts Department of Environmental Protection ("MA DEP"). The interim limits shall become effective upon approval by the EPA and the MA DEP.

As required by paragraph 44(c) of the Consent Decree, by letter dated January 11, 2008, the City submitted proposed interim effluent limits for the discharge from the Brockton Wastewater Treatment Facility during the Phase III Construction.

EPA and the MA DEP have reviewed the submittal as well as the effluent monitoring data from the Wastewater Treatment Facility during the past year. EPA and the MA DEP met with David Norton at the Facility on January 24, 2008 to discuss the proposed interim effluent limits.

Based on the above, and in accordance with paragraph 45 of the Consent Decree, EPA and the MA DEP approve the submission upon the condition that some of the interim limits proposed in Paragraphs 1 through 4 of the City's January 11, 2008 letter are revised as set forth below. These interim effluent limits shall be in effect during the Phase III construction at the Facility from March 19, 2008 through March 19, 2009.





1. Mass limits during interim period.

During the interim period, mass limits will apply when flows at the Facility are below 36 MGD.

2. For all flows to the Facility:

Parameter	Winter		Summer	
	Monthly Avg.	Daily Max	Monthly Avg.	Daily Max
CBOD	20 mg/l	30 mg/l	12 mg/l	20 mg/l
TSS	25 mg/l	40 mg/l	12 mg/l	20 mg/l
NH3-N*	12 mg/l	report	4 mg/l	6 mg/l

\* The interim limit for NH3-N weekly average shall be report only.

Fecal Coliform

The facility is capable of meeting the monthly average (geometric mean) permit limit of 200 cfu/100 ml and there is no need for an interim limit. The facility, however, may not be able to consistently meet the maximum day permit limit of 400 cfu/100ml. Therefore, the interim limit for fecal coliform for the maximum day limit will be report only.

Total Residual Chlorine

The interim limit will be set at a monthly average of 40 ug/l and a maximum day of 50 ug/l.

Phosphorus

The interim limit will be set at 0.4 mg/l on the 60 day rolling average.

Copper

An interim effluent limit of 20 ug/l for the maximum day is contained in Administrative Order Docket No. 06-09.

Dissolved Oxygen ("D.O.")

The facility is capable of meeting the current permit limit of not less than 6 mg/l, hence an interim limit is not necessary for D.O.

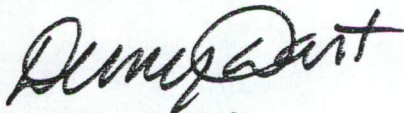
3. When the plant flow is greater than or equal to 36 mgd, the interim limits for mass loading will be report only.

4. In the event that a major process unit must be taken out of service to implement capitol improvements, or to make emergency repairs, the owner/operator and contractor shall comply with all of the requirements and provisions of Section 01014 "Construction Sequence" of the Phase III Construction Documents (pages 01014-1 through 01014-15).



If you have any questions or comments regarding this matter, please contact Steven Couto of my staff at (617) 918-1765. Should you wish to contact the MA DEP regarding this matter, please contact David Burns at (508) 946-2738.

Sincerely,

A handwritten signature in black ink, appearing to read "Denny Dart". The signature is fluid and cursive, with the first name "Denny" and last name "Dart" clearly distinguishable.

Denny Dart, Chief  
Water Technical Unit

cc: Steven Couto, EPA  
David Burns, MADEP-SERO  
Tonia Bandrowicz, EPA  
Andrew Goldberg, MA AG  
Jack Hamm, MA DEP  
James D'Ambrose, City Solicitor  
David Norton, W/S Contract Administrator  
James Lauzon, Veolia Water